## Concreteness, context availability, and imageability ratings and word associations for abstract, concrete, and emotion words

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Normative values on various word characteristics were obtained for abstract, concrete, and emotion words in order to facilitate research on concreteness effects and on the similarities and differences among the three word types. A sample of 78 participants rated abstract, concrete, and emotion words on concreteness, context availability, and imagery scales. Word associations were also gathered for abstract, concrete, and emotion words. The data were used to investigate similarities and differences among these three word types on word attributes, association strengths, and number of associations. These normative data can be used to further research on concreteness effects, word type effects, and word recognition for abstract, concrete, and emotion words.

A robust finding in the concreteness effects literature is that concrete words (e.g., desk, computer) are understood better than abstract words (e.g., liberty, freedom) (Schwanenflugel, Harnishfeger, & Stowe, 1988). The advantages for processing concrete words over abstract words have been referred to as concreteness effects and have been found in a variety of cognitive tasks, including paired associate learning, translation, comprehension tests, lexical decision, and free recall (e.g., Day, 1977; de Groot, Dannenburg, & van Hell, 1994; Holmes & Langford, 1976; James, 1975; Paivio, 1971, 1986). These concreteness effects are commonly explained by either a dual coding theory (Paivio, 1971, 1986) or a context availability theory (Schwanenflugel, Akin, & Luh, 1992). According to the dual coding theory there are two functionally independent yet interconnected representational systems: (1) verbal and (2) imaginal. The verbal system processes verbal information, whereas the imaginal system processes nonverbal information. These representations are differentially available in memory contingent on the concreteness of the words. Both concrete and abstract words are represented in the verbal system, but only concrete words are connected to the imaginal system. Since the image provides an additional means through which concrete words can be stored and retrieved, concrete words are more likely to be recalled better than abstract words that lack representation in the imaginal system.

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The context availability hypothesis emphasizes the ease with which a context or circumstance can be recalled for a particular word (Kieras, 1978; Schwanenflugel et al., 1992; Schwanenflugel et al., 1988). The context availability explanation states that it is easier to retrieve a context in which a concrete word appears than to retrieve a context in which an abstract word appears. For example, the context availability hypothesis would say that it is easier to think of a context for the word desk (concrete) but much more difficult to retrieve a context for the word folly (abstract). Researchers have often compared ratings of abstract and concrete words on various characteristics. Published word norms include Paivio, Yuille, and Madigan's (1968) concreteness, imagery, and meaningfulness ratings for 925 words, Rubin and Friendly's (1986) free recall, availability, goodness, emotionality, and pronounceability ratings for the same 925 nouns, Toglia and Battig's (1978) normative data for 2,854 words on concreteness, imagery, categorizability, meaningfulness, pleasantness, familiarity, and number of attributes, Gilhooly and Logie's (1980) age of acquisition, imagery, concreteness, familiarity, and ambiguity ratings for 1,944 words, Friendly, Franklin, Hoffman, and Rubin's (1982) imagery, concreteness, orthographic variables, and grammatical usage measures for 1,080, and Kerr and Johnson's (1991) normative data for familiarity, concreteness, meaningfulness, imageability, imagery modality, and word associations for blind and sighted participants. However, it is important to note that there are no published normative studies that provide concreteness, context availability, and imagery ratings and word associations for abstract, concrete, and emotion

Additionally, we have found that there are no normative studies that provide concreteness, context availability, or imagery ratings and word associations for a large set of emotion words. This lack of data for emotion words is unfortunate since the ability to recognize and label emo-

tions is essential to emotional understanding and has been linked to decreases in self-reports of sadness and depression, decreases in anxiety and withdrawal, cessation of eating disorders, and a reduction in mental illness (Goleman, 1995). While understanding emotions is extremely important in everyday social functioning, little attention has been paid to understanding how these words are stored in memory and the characteristics that distinguish emotion words from other types of words. Rather, we have found that, in both the concreteness effects literature and the normative literature, emotion words are often classified as "abstract" with no justification for this classification. Studies in which emotion terms are categorized as abstract may be confounded. It may be that emotion words placed within the abstract category increase or decrease the influence of concreteness on language processing.

This possibility was explored by Altarriba and Bauer (1999). In the second experiment, participants were asked to rate 144 abstract, concrete, and emotion words (48 words in each category) on one of the following 7-point scales: concreteness, context availability, or imageability. The ratings showed significant main effects of scale type and word type. Additionally, there was a significant interaction between these two variables, indicating that there was a difference between all three word types (abstract, concrete, and emotion) on each of the three scales (concreteness, context availability, and imageability). Specifically, the results indicated that the three word types are reliably different from each other when rated on concreteness, context availability, and imageability. Analyses revealed that, for concreteness, concrete words received the highest ratings, followed by abstract, and then by emotion words. For both the context availability scale and the imageability scale, concrete words received the highest ratings, followed by emotion, and then by abstract words. These findings were extremely important since they indicated that emotion words are rated differently from both abstract words and concrete words on all three scales. This result suggests that emotion words may be represented in memory differently from either abstract or concrete words.

Given the evidence indicating that concreteness, imagery, and context availability play a role in the representation of words, ratings on these three scales were collected for abstract, concrete, and emotion words. These ratings, from which a subset of words was selected for use in Altarriba and Bauer's (1999) Experiment 2, are provided here for future investigations in the area of concreteness effects and in the representation of abstract, concrete, and emotion words.

The major objective of the present Experiment 1 was to provide ratings for abstract, concrete, and emotion words (on attributes that are considered relevant by researchers interested in studying concreteness effects: concreteness, imageability, and context availability) so that the relationship between the three word types and the three scales can be examined by other researchers. The norms obtained will be useful to researchers who are interested in studying concreteness effects and the similarities and differences

between various word types (i.e., abstract, concrete, and emotion words) and scales (i.e., concreteness, context availability, and imageability). The major objective of the present Experiment 2 was to provide word associations for abstract, concrete, and emotion words. These data should enable researchers to examine the number of and strength of the associations for various word types. In addition, researchers can use these data to equate stimuli on mean association strength in future experiments.

# **EXPERIMENT 1**Word Ratings

## Method

**Participants.** Seventy-eight University at Albany undergraduates participated in this experiment either for partial fulfillment of a course requirement or for extra credit. All participants were native English speakers.

Materials. Abstract, concrete, and emotion words were classified a priori. Abstract and concrete words were taken from existing research on concreteness effects. Concrete words were operationally defined as words that denote something material and represent an actual substance or thing. Terms referring to something considered apart from some material basis or object (and not classified as emotion words) were classified as abstract. In order to distinguish emotion words from other word types, the Dictionary of Affect in Language (Whissell, 1989) and previous studies investigating emotions (e.g., Shaver, Schwartz, Kirson, & O'Connor, 1987) were used as sources for emotion words. In order to be considered an emotion term, the words had to have an affective meaning and have pleasantness/unpleasantness and arousal components. Using these operational definitions, 155 abstract words, 100 concrete words, and 71 emotion words were selected from Bleasdale (1987), Chiarello, Senehi, and Nuding (1987), Clore, Ortony, and Foss (1987), Nelson and Schreiber (1992), Shaver et al. (1987), and Whissell (1989). These words were matched in frequency and length, randomized, and typed into a list.

**Procedure.** The participants were asked to rate the words on one of three scales: concreteness, imageability, or context availability. Each participant rated all 326 words on a single attribute determined randomly by the experimenter. The scales ranged from 1 to 7, in which 1 indicated highly abstract, difficult to image, or difficult to think of a context, and 7 indicated highly concrete, easy to image, or easy to think of a context.

Instructions. The instructions for each of the three scales supplied the participants with examples, providing them with anchors in which to make their ratings. All of these instructions were similar to the instructions that previous investigators have provided (e.g., Campos, 1990; Friendly et al., 1982; Gilhooly & Logie, 1980; Schwanenflugel et al., 1992).

Concreteness instructions. The concreteness instructions were as follows:

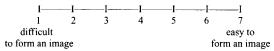
Below you will see a list of words. Your task is to enter a number between "1" and "7" (you can use "1" and "7" as well) next to each word. Please use the following scale to rate the words:



This is a concreteness scale. You are to rate the words on how abstract or concrete you believe the words are. For example, you might rate the word "chair" as a 6 or 7, while the word "charity" might be rated a 1 or a 2.

*Imageability instructions*. The imageability instructions were as follows:

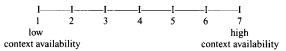
Below you will see a list of words. Your task is to enter a number between "1" and "7" (you can use "1" and "7" as well) next to each word. Please use the following scale to rate the words:



This is an imageability scale. You are to rate the words on how difficult or easy it is to form an image of the word. For example, you might rate the word "flag" a 6 or a 7 because it is easy to form an image of the word flag in your mind. The word "charity" on the other hand, might be rated a 1 or a 2 since it is difficult to form an image for the word charity.

Context availability instructions. The example provided for this scale was taken from a previous study conducted by de Groot (1992) to ensure that the participants understood what is meant by context availability.

Below you will see a list of words. Your task is to enter a number between "1" and "7" (you can use "1" and "7" as well) next to each word. Please use the following scale to rate the words:



This is a context availability scale. You are to rate this word on whether or not you can associate this word with a context or circumstance in which the word would appear. If you can easily associate this word with a certain context or circumstance you would give the word a high rating. If on the other hand, you have a difficult time thinking of a context or circumstance in which this word would appear, you would give the word a low rating.

For example, a participant who was shown the word "ceiling" said that he immediately thought of a song, "Dancing on the Ceiling." So the word ceiling came to mind immediately and quickly. The word "cry" might receive a rating of 6 or 7, if you immediately think of a baby crying in his crib.

In contrast, the word "heritage" might be rated a 1 or a 2, since it might take several minutes to come up with a context in which the word might appear.

Remember, if a context can IMMEDIATELY come to mind, then the word has a HIGH context availability. If it takes some time to come up with a context, then the word has a LOW context availability.

### **Results and Discussion**

The mean rating for each word on each of the three scales is presented in Appendix A. Descriptive statistics are provided in Table 1. Planned comparisons revealed that all three word types were rated as significantly different (all ps < .05) from one another on all three scale

Table 1
Mean Concreteness, Imageability and
Context Availability Ratings (Scale: 1 = low, 7 = high)
for 326 Words in Experiment 1 (n = 78)

Word Type			R	lating Sca	ale	
	Concreteness		Ima	agery	Context Availabilit	
	M	SD	M	SD	М	SD
Concrete	6.3	0.39	6.6	0.55	5.7	0.62
Emotion	3.0	0.27	4.7	0.92	3.4	0.92
Abstract	3.6	0.67	2.9	1.0	4.8	0.74

Note—\*All ps < .05, for all comparisons of interest.

types. As Table 1 shows, the participants rated emotion words as being significantly less concrete and lower in context availability than both abstract and concrete words. However, the participants rated emotion words as more imageable than abstract words but less imageable than concrete words.

On the concreteness and context availability scales, emotion words were rated as significantly lower than abstract and concrete words. On the imagery scale, abstract words were rated as significantly lower than concrete and emotion words. These results indicate that abstract, concrete, and emotion words possess significantly different degrees of concreteness, context availability, and imageability. Owing to these significant differences, emotion words should not be included in an abstract category. Previous research that has categorized emotion words as abstract words may have added a confound in that the inclusion of emotion words may have raised the overall ratings of the abstract words on imageability and may have decreased the overall ratings of the abstract words on the concreteness and the context availability scales. Therefore, the addition of emotion words to the abstract category in previous studies may have biased the concreteness effects. Further investigations of these differences between both the word types and the scale types are needed.

Correlations for all variables are provided in Table 2. Correlations were calculated using the mean rating of each word in each word type (abstract, concrete, and emotion) for each scale (concreteness, context availability, and imageability). Abstract, concrete, and emotion words were classified a priori, using the operational definitions discussed in the Method section. The only statistically significant correlations were between abstract words rated on concreteness and context availability, abstract words rated on imageability and context availability, abstract words rated on imageability and concreteness, concrete words rated on concreteness and context availability, and emotion words rated on concreteness and context availability. These results show a consistent finding that, within each word type, there is a significant positive relationship between context availability and concreteness. It appears that words that rate highly on the concreteness scale also rate highly on the context availability scale. This result is consistent with previous research. For example, Schwanenflugel et al. (1988) found a correlation of .69 between concreteness and context availability across abstract and concrete words.

Reliability estimates were derived from the 26 completed lists obtained for each scale. These data were used to calculate Cronbach's alpha, a measure of internal consistency based on the average correlation of participants' ratings. Cronbach's alpha was .98 for abstract words rated on context availability, .99 for abstract words rated on concreteness, .98 for abstract words rated on imageability, .95 for concrete words rated on context availability, .98 for concrete words rated on concreteness, .95 for concrete

Table 2
Pearson Correlations Among Word Attributes

	ACA	ACON	AIM	CCA	CCON	CIM	ECA	ECON	EIM
ACA	1.0		-						
ACON	.25*	1.0							
AIM	.59*	.57*	1.0						
CCA	06	04	08	1.0					
CCON	11	02	12	.68*	1.0				
CIM	.06	08	04	.16	.02	1.0			
ECA	04	04	00	.02	.09	.12	1.0		
<b>ECON</b>	12	20	20	.03	.16	07	.41*	1.0	
EIM	.10	.06	.03	.07	.18	10	12	02	1.0

Note—ACA, abstract words on context availability; ACON, abstract words on concreteness; AIM, abstract words on imageability; CCA, concrete words on context availability; CCON, concrete words on concreteness; CIM, concrete words on imageability; ECA, emotion words on context availability; ECON, emotion words on concreteness; EIM, emotion words on imageability. \*p < .05.

words rated on imageability, .97 for emotion words rated on context availability, .99 for emotion words rated on concreteness, and .98 for emotion words rated on imageability. Thus, the internal consistency of the ratings was high.

At first glance our results of no significant correlations between the concreteness and imageability scales for the concrete and for the emotion words appear to be contrary to the findings of high correlations typically reported in the literature. The correlations between concreteness and imagery reported by Benjafield and Muckenheim (1989), Christian, Bickley, Tarka, and Clayton (1978), Friendly et al. (1982), Gilhooly and Logie (1980), Paivio (1986), Paivio et al. (1968), Rubin (1980), Rubin and Friendly (1986), Schwanenflugel et al. (1988), and Toglia and Battig (1978) range from .64 to .95. These correlations were calculated across word types. That is, the ratings of both the concrete and the abstract words were combined, and the correlation between imagery and concreteness was then computed. In the present experiment, the correlations between the scales were calculated for each word type individually. This leads to the results presented in Table 2. To enable a comparison between previous results and the present results, further analyses were conducted. When the correlation between concreteness and imagery is calculated across word types (abstract, concrete, and emotion), a correlation of .63 (p < .05) emerges. These results appear in Table 3. A correlation even more consistent with the previous literature emerges when the abstract and concrete words (the emotion words are not included) are combined and the correlation between imagery and concreteness is calculated (see Table 4). This correlation is .87 (p < .05).

Similarly, our results of no significant correlations between the context availability and the imageability scales for the concrete and for the emotion words appear to be inconsistent with the previous literature. De Groot et al. (1994) found a correlation of .82, and Schwanenflugel et al. (1988) found a correlation of .68. To enable comparisons between previous results and the present results, additional analyses were conducted. When the correlation between context availability and imageability was calcu-

lated across word types (combining abstract, concrete, and emotion words) a correlation of .41 (p < .05) was found (see Table 3). Additionally, when combining only the abstract and concrete words, which are the word types that were used in previous studies, a correlation of .82 (p < .05) was obtained (see Table 4). This result is consistent with the previous research (de Groot et al., 1994; Schwanenflugel et al., 1988).

These additional analyses indicate that the results of the present experiment are consistent with the literature when the correlations among scales are calculated across word types (and especially when they are calculated across abstract and concrete words, which were the word types predominantly used in prior research). However, the present experiment is the first to our knowledge that looked at correlations between scales for individual word types. When this is done, the correlation between concreteness and imageability and the correlation between context availability and imageability were not significant for both concrete and for emotion words. However, the correlation between concreteness and imageability and the correlation between context availability and imageability were significant for abstract words. These results provide additional evidence that the three word types have different characteristics. While previous studies have combined abstract and concrete words when investigating correlations among scales, this may be masking contributions made by individual word types. For instance, combining abstract words with concrete words increases the correlation between the concreteness and imageability scales. However, when looked at separately, the correlation between concreteness and

Table 3
Pearson Correlations for Scales, Calculated Across the
Three Word Types (Abstract, Concrete, and Emotion)

	Concreteness	Context Availability	Imageability
Concreteness	1.0000		
Context availability	.8086*	1.0000	
Imageability	.6276*	.4138*	1.000

<sup>\*</sup>p < .01.

Table 4
Pearson Correlations for Scales,
Calculated Across Abstract and Concrete Words

	Concreteness	Context Availability	Imageability
Concreteness	1.0000	•	
Context availability	.8048*	1.0000	
Imageability	.8712*	.8237*	1.000

<sup>\*</sup>p < .01.

imageability is significant for abstract words but not for concrete words. Therefore, by combining the two word types, the individual contributions are masked. Future investigators of concreteness effects and word type differences should keep these possibilities in mind when analyzing data.

# **EXPERIMENT 2 Word Associations**

#### Method

**Participants.** Fifty-five University at Albany undergraduates participated in this experiment either for partial fulfillment of a course requirement or for extra credit.

Materials. One hundred fifty-four abstract words, 100 concrete words, and 98 emotion words were selected form Bleasdale (1987), Chiarello et al. (1987), Clore et al. (1987), Nelson and Schreiber (1992), Shaver et al. (1987), and Whissell (1989). These words were randomized and typed into a list.

**Procedure**. In order to provide norms for future priming experiments, the participants were asked to perform a discrete word association task in which they should respond to the stimulus with the first word that comes to mind that is meaningfully related to the stimulus. In the present experiment, the participants received a list of 372 words and were instructed to write beside each stimulus word the first word that came to mind that was meaningfully related to the stimulus word. The participants were orally instructed to exclude proper nouns and abbreviations from their responses. The written instructions appeared as follows:

Below is a list of words that you should be familiar with. In the spaces provided, please write down the FIRST word that comes to mind that is MEANINGFULLY related to the presented word. Please write down only a single word. Please do not include any proper nouns. Please make sure that you write down words that are meaningfully associated to the presented word. Additionally, please write clearly.

Example: canary <u>feathers</u> clown laughs

### **Results and Discussion**

The associations provided by the participants are presented in Appendix B.<sup>1</sup> Associations that were more than single words, abbreviations, illegible, or proper nouns were excluded. Misspelled words were corrected when the provided spelling was clear enough for accurate interpretation. Of the 10,971 responses, 55 were excluded (0.5 %) for the aforementioned reasons. Examples of exclusions include *ice cream*, *hot air*, *New Year*, *pms*, and *Moses*. Owing to these exclusions, to the participants' failing to provide an association, and to rounding to the nearest tenth, not all of the association strengths for each stimulus will sum to 1.00. Appendix B provides the proportions of

participants who generated a given association for a stimulus. The associations are arranged alphabetically in decreasing association strength order. The higher the number, the more participants provided that association to the stimulus word.

The proportion associated with the word most often generated in response to the stimulus word is considered the highest association for a given stimulus word. The mean highest association for each of the three word types was computed. It was found that, on average, concrete words have the mean highest association (M = 35.39), followed by abstract words (M = 29.80), and then by emotion words (M = 28.62). Planned comparisons revealed that the mean highest associations between concrete and abstract words and between concrete and emotion words were significantly different from one another (ps < .01). The mean highest association for abstract and emotion words was not significantly different. Literature concerning the relative frequency and strength of associations for emotion words as compared with concrete and abstract words is nonexistent. However, a few comparisons exist between concrete and abstract words, and the results tend to differ on the basis of the exact method used to gather word associations as described below.

The number of associations generated for each stimulus word was tabulated. The mean number of associations for each word type was computed. It was found that, on average, emotion words have the greatest number of different associations (M = 23.48), followed by abstract words (M = 21.40), and then by concrete words (M =17.34). Planned comparisons revealed that the mean numbers of associations for all of the word types were significantly different from each other (all ps < .05). Although it would appear at first glance that the finding of smaller associative sets for concrete words than for other word types is anomalous, similar findings were reported by Nelson and Schreiber (1992) in their normative study. An important note to make here is that, in both the present study and Nelson and Schreiber's study, a discrete word association task was used. Participants were asked to provide a single word for each stimulus word—the first one that came to mind. In contrast, continuous word association tasks are those in which participants are asked to provide as many associates as possible during a specific length of time. Using a continuous task, de Groot (1989) reported that the number of associations was higher for concrete words than for abstract words.2 Whereas the discrete task may lead to responses that are consistent (i.e., the strongest associate is most often generated), the continuous task provides more time for the retrieval of associates both strongly and weakly related.

These findings have great implications for researchers investigating retrieval of various word types. Research has shown that the more paths that are associated with a concept, the more difficult it is to retrieve information from any one of these paths (Anderson, 1974). The present results would therefore predict that concrete words would be the easiest to retrieve from memory, whereas emotion

words would be the most difficult to retrieve from memory. Using the present norms, reaction time experiments can be conducted to investigate these predictions.

#### GENERAL DISCUSSION

The normative data presented here were used to investigate whether emotion words have characteristics different from those of either abstract or concrete words. Experiment 1 examined the nature of emotion words in memory by comparing the ratings of abstract, concrete, and emotion words on concreteness, context availability, and imageability scales. On both the concreteness and the context availability scales, emotion words were rated lower than abstract and concrete words. However, on the imagery scale, emotion words were rated higher than abstract words but lower than concrete words. These results indicate that emotion words possess characteristics different from those of either abstract or concrete words. Therefore, the inclusion of emotion words in an abstract category may have biased the results of previous research on concreteness effects. The addition of emotion words, which are significantly less concrete and lower in context availability than abstract words, may have decreased the abstract category ratings; however, the concrete words were unaffected by the addition of emotion words in the abstract category. Because the overall ratings of the abstract category decreased and the concrete category remained unchanged, concreteness effects among abstract and concrete words are reported as being larger than they actually were (because the emotion words lowered the abstract category ratings). These findings suggest that emotion words should not be included in abstract categories in future investigations of concreteness effects.

Previous researchers have documented positive correlations between concreteness and context availability, between concreteness and imageability, and between imageability and context availability (Benjafield & Muckenheim, 1989; Christian et al., 1978; Friendly et al., 1982; Gilhooly & Logie, 1980; Paivio, 1986; Paivio et al., 1968; Rubin, 1980; Rubin & Friendly, 1986; Schwanenflugel et al., 1988; Toglia & Battig, 1978). Results of the present study replicate these findings when the correlations among scales are calculated across word type. However, the present study is the first study to look at correlations between scales for individual word types. When this was done, an interesting pattern of results emerged. Within each of the three word types (abstract, concrete, and emotion), a significant positive relationship between concreteness and context availability was found. Therefore, it appears that words rated highly on concreteness are also highly rated on context availability not only as a set of words but also within each word type. However, the correlations between context availability and imageability and the correlations between concreteness and imageability were not significant for concrete and emotion words but were significant

for abstract words. Here, it appears that the correlations among the scales is contingent on word type. These results provide additional evidence that abstract, concrete, and emotion words have different characteristics. While previous researchers have typically combined word types when calculating correlations among scales, the present results suggest that this combination masks the contributions made by individual word types. Future investigations of concreteness effects and of word type differences should further explore these differences, and researchers should keep these findings in mind while analyzing their data.

Experiment 2 provided word associations for abstract, concrete, and emotion words. The data were used to examine the strength and the number of associations for each of the three word types. The results revealed that the highest mean association was significantly different between concrete and abstract words and between concrete and emotion words but not between abstract and emotion words. These results reveal a similarity between abstract and emotion words in terms of the mean of the word most often generated in response to a stimulus word.

The number of associations for each of the three word types revealed that the mean numbers of associations for all three word types were significantly different from one another. Emotion words had the highest mean number of associations, followed by abstract words, and then by concrete words. In the word retrieval literature, it has been found that the more paths associated with a concept, the more difficult it is to retrieve information from any given path (Anderson, 1974). The results of the present study would predict that concrete words would be the easiest to retrieve, whereas emotion words would be the most difficult to retrieve from memory. The normative data provided here can be used as stimuli to explore word retrieval as a function of word types in reaction time experiments.

In conclusion, the present article is the first to provide concreteness, context availability, and imageability ratings and word associations for abstract, concrete, and emotion words. It is particularly distinctive in that it provides the aforementioned ratings for a large set of emotion words. These normative data may be used to further research in areas such as concreteness effects, word type effects, and word recognition and retrieval for abstract, concrete, and emotion words.

## REFERENCES

ALTARRIBA, J., & BAUER, L. M. (1999). Emotion words vs. abstract words: Distinct representations in semantic memory. Manuscript submitted for publication.

Anderson, J. R. (1974). Verbatim and propositional representation of sentences in immediate and long-term memory. *Journal of Verbal Learning & Verbal Behavior*, 13, 149-162.

BENJAFIELD, J., & MUCKENHEIM, R. (1989). Dates of entry and measures of imagery, concreteness, goodness, and familiarity for 1,046 words sampled from the Oxford English Dictionary. Behavior Research Methods, Instruments, & Computers, 21, 31-52.

BLEASDALE, F. A. (1987). Concreteness-dependent associative priming:

- Separate lexical organization for concrete and abstract words. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 13, 582-594.
- CAMPOS, A. (1990). Concreteness, imagery, emotionality, and interest values of words when meaning is controlled. *Perceptual & Motor Skills*, 71, 603-610.
- CHIARELLO, C., SENEHI, J., & NUDING, S. (1987). Semantic priming with abstract and concrete words: Differential asymmetry may be postlexical. *Brain & Language*, 31, 43-60.
- CHRISTIAN, J., BICKLEY, W., TARKA, M., & CLAYTON, K. (1978). Measures of free recall of 900 English nouns: Correlations with imagery, concreteness, meaningfulness, and frequency. *Memory & Cognition*, 6, 379-390.
- CLORE, G. L., ORTONY, A., & Foss, M. A. (1987). The psychological foundations of the affective lexicon. *Journal of Personality & Social Psychology*, 53, 751-766.
- DAY, J. (1977). Right-hemisphere language processing in normal right-handers. Journal of Experimental Psychology: Human Perception & Performance, 3, 518-528.
- DE GROOT, A. M. B. (1989). Representational aspects of word imageability and word frequency as assessed through word association. *Jour*nal of Experimental Psychology: Learning, Memory, & Cognition, 15, 824-845.
- DE GROOT, A. M. B. (1992). Determinants of word translation. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 18, 1001-1018.
- DE GROOT, A. M. B., DANNENBURG, L., & VAN HELL, J. G. (1994). Forward and backward word translation by bilinguals. *Journal of Memory & Language*, 33, 600-629.
- FRIENDLY, M., FRANKLIN, P. E., HOFFMAN, D., & RUBIN, D. C. (1982).
  The Toronto Word Pool: Norms for imagery, concreteness, orthographic variables, and grammatical usage for 1,080 words. Behavior Research Methods & Instrumentation, 14, 375-399.
- GILHOOLY, K. J., & LOGIE, R. H. (1980). Age-of-acquisition, imagery, concreteness, familiarity, and ambiguity measures for 1,944 words. *Behavior Research Methods & Instrumentation*, 12, 395-427.
- GOLEMAN, D. (1995). Emotional intelligence. New York: Bantam.
- HOLMES, V. M., & LANGFORD, J. (1976). Comprehension and recall of abstract and concrete sentences. *Journal of Verbal Learning & Ver*bal Behavior, 15, 559-566.
- JAMES, C. T. (1975). The role of semantic information in lexical decisions. *Journal of Experimental Psychology: Human Perception & Performance*, 104, 130-136.
- KERR, N. H., & JOHNSON, T. H. (1991). Word norms for blind and sighted subjects: Familiarity, concreteness, meaningfulness, imageability, imagery modality, and word associations. Behavior Research Methods, Instruments, & Computers, 23, 461-485.

- KIERAS, D. (1978). Beyond pictures and words: Alternative information processing models for imagery effects in verbal memory. *Psychological Bulletin*, 85, 532-554.
- NELSON, D. L., & SCHREIBER, T. A. (1992). Word concreteness and word structure as independent determinants of recall. *Journal of Memory & Language*, 31, 237-260.
- Paivio, A. U. (1971). *Imagery and verbal processes*. New York: Holt, Rinehart & Winston.
- Paivio, A. U. (1986). Mental representations: A dual coding approach. New York: Oxford University Press.
- PAIVIO, A. U., YUILLE, J. C., & MADIGAN, S. A. (1968). Concreteness, imagery, and meaningfulness values for 925 nouns. *Journal of Experimental Psychology Monographs*, 76 (1, Pt. 2).
- RUBIN, D. C. (1980). Fifty-one properties of 125 words: A unit analysis of verbal behavior. *Journal of Verbal Learning & Verbal Behavior*, 19, 736-755.
- RUBIN, D. C., & FRIENDLY, M. (1986). Predicting which words get recalled: Measures of free recall, availability, goodness, emotionality, and pronunciability for 925 nouns. *Memory & Cognition*, 14, 79-94.
- SCHWANENFLUGEL, P. J., AKIN, C., & LUH, W.-M. (1992). Context availability and the recall of abstract and concrete words. *Memory & Cognition*, **20**, 96-104.
- SCHWANENFLUGEL, P. J., HARNISHFEGER, K. K., & STOWE, R. W. (1988). Context availability and lexical decisions for abstract and concrete words. *Journal of Memory & Language*, 27, 499-520.
- SHAVER, P., SCHWARTZ, J., KIRSON, D., & O'CONNOR, C. (1987). Emotion knowledge: Further exploration of a prototype approach. *Journal of Personality & Social Psychology*, **52**, 1061-1086.
- Toglia, M. P., & Battig, W. F. (1978). Handbook of semantic word norms. Hillsdale, NJ: Erlbaum.
- WHISSELL, C. M. (1989). The dictionary of affect in language. In R. Plutchik & H. Kellerman (Eds.), Emotion: Theory, research, and experience (Vol. 4, pp. 113-131). New York: Academic Press.

#### NOTES

- 1. Because of limited journal space, only the associations that were provided by more than 4% of the participants are provided in Appendix B. The entire list, including the associations provided by 4% of the participants or less, can be obtained by contacting the first author.
- 2. It should be noted, however, that emotion words, such as *anguish*, *sorrow*, and *jealousy*, were included as "abstract" words in de Groot (1989). Given work cited in the present paper, it is unclear how the inclusion of emotion words affected the overall findings for "abstract" and concrete words in de Groot's (1989) study.

APPENDIX A
Stimulus Words Within Each Word Type (Abstract, Concrete, and Emotion) and Mean Scores for the Ratings of Concreteness, Context Availability, and Imageability

Mord			Ratings Scale	dings of Concrete			Ratings Sca	
bability 3.6 4.4 1.5 grace 2.2 4.1 1.8 ability 3.6 4.4 1.5 grace 2.2 4.1 1.8 ability 3.6 4.4 1.5 grace 2.2 4.1 1.8 ability 3.6 4.5 7 2.0 guess 3.0 4.8 2.1 1.8 ability 3.5 5.4 2.5 haunt 2.9 4.9 4.9 3.4 allow 3.2 4.0 1.8 beath 3.8 5.4 2.6 haunt 2.9 4.9 4.9 3.4 allow 3.2 4.0 1.8 beath 3.8 5.4 2.6 area 4.0 4.0 3.2 beight 5.2 5.6 4.8 art 4.2 5.4 5.5 beritage 3.6 3.1 1.9 attitude 3.0 5.5 2.4 hint 3.0 4.7 2.1 beauty 3.1 6.2 4.9 honor 2.8 4.5 2.6 bend 4.1 4.7 4.6 hour 4.7 4.8 3.4 benefit 3.0 4.4 2.3 humor 3.2 5.1 shift 3.0 4.7 2.1 benefit 4.1 4.7 4.6 hour 4.7 4.8 3.4 benefit 3.0 3.1 3.3 hunger 4.6 5.8 3.5 benefit 3.0 3.1 4.4 2.3 humor 3.2 5.1 3.1 bribe 4.5 4.5 3.3 hunger 4.6 5.8 3.5 benefit 3.0 3.7 1.6 image 3.3 4.4 2.5 capability 3.1 3.3 3.1 4 idea 3.0 3.7 1.6 image 3.3 4.4 2.5 capability 3.1 3.3 3.1 4 idea 3.0 3.7 5.0 1.8 impression 3.1 4.4 1.8 chaos 3.4 5.3 3.8 intellect 3.1 3.5 1.9 character 3.8 4.8 2.9 issue 3.5 4.6 1.5 choice 3.7 5.0 1.8 jeopardy 3.2 5.7 3.0 concept 3.2 4.4 1.8 knowledge 3.6 4.9 2.0 conquest 3.7 5.0 1.8 jeopardy 3.2 5.7 3.0 concept 3.2 4.4 4.1 8. knowledge 3.6 4.9 2.0 conquest 3.7 5.0 1.8 jeopardy 3.2 5.7 3.0 cont 4.2 5.0 2.4 law 4.1 6.0 3.0 cont 4.2 5.0 2.4 law 4.1 6.0 3.0 cont 3.8 4.6 2.0 legranting 3.6 5.1 2.8 death 4.4 4.4 3.2 length 4.6 4.5 3.0 death 4.7 6.4 5.1 mastery 3.4 4.3 3.1 indirect 3.8 4.4 4.4 3.2 length 4.6 4.5 3.0 death 4.7 6.4 5.1 mastery 3.8 4.5 3.0 death 4.7 5.0 4.2 legrand 3.8 5.1 2.8 death 4.7 5.0 4.2 length 4.6 4.5 3.0 death 4.7 5.0 4.2 length 4.6 4.5 3.0 death 4.7 5.0 4.2 length 4.6 4.5 3.0 death 4.7 5.3 3.3 8 included 3.2 3.7 1.5 death 4.7 5.3 3.5 1.9 length 4.6 4.5 3.0 death 4.7 5.0 4.2 length 4.6 4.5 3.0 death 4.7 5.3 3.6 length 4.6 4.5 3.0 death 4.7 5.3 3.0 death 4.7 5.3 3.6 length 4.6 death 3.1 3.5 5.2 death 4.7 5.3 3.6 length 4.6 death 3.7 5.1 2.8 length 4.6 death 3.7 5.1 2	Word	Concreteness			Word	Concreteness		
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ullow         3.2         4.0         1.8         heath         3.8         5.4         2.6           inswer         4.7         5.6         2.4         heaven         3.4         6.0         5.0           irea         4.0         4.0         3.2         height         5.2         5.6         4.8           irt         4.2         5.5         beritage         3.6         3.1         1.9           utitude         3.0         5.5         2.4         hint         3.0         4.7         2.1           searty         3.1         4.7         4.6         hour         4.7         4.8         3.4           searty         4.1         4.7         4.6         hour         4.7         4.8         3.4           searty         4.5         4.5         4.5         3.3         humper         4.6         5.8         3.5           apability         3.1         3.3         1.4         idea         3.0         4.8         3.2           apability         3.1         3.3         3.8         4.8         2.9         issue         3.3         4.4         2.5           abarote         2.4         4.8	advice	3.4			guess			
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rea	ıllow	3.2	4.0	1.8	health			
rt	nswer	4.7	5.6	2.4				
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ulture         3.4         4.4         3.2         length         4.6         4.5         3.0           are         2.7         5.0         1.8         liberty         2.9         5.2         3.2           eal         3.4         5.0         3.2         lift         4.2         4.6         3.9           eath         4.7         6.4         5.1         mastery         3.4         3.3         1.5           ecay         3.7         5.0         4.7         measure         3.8         5.7         2.6           eced         4.4         3.3         2.5         method         3.2         3.7         1.5           eed         4.4         3.3         2.5         method         3.2         3.7         1.5           emocracy         3.7         4.8         2.8         mind         3.3         5.5         3.2           eed         4.6         6.0         4.7         moist         5.0         4.9         4.8           eecert         3.8         3.5         2.2         minute         4.8         5.5         4.2           ie         4.6         6.0         4.7         moist         5.0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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eal         3.4         5.0         3.2         lift         4.2         4.6         3.9           eath         4.7         6.4         5.1         mastery         3.4         3.3         1.5           eceay         3.7         5.0         4.7         measure         3.8         4.5         3.0           ecency         2.6         4.2         1.6         memory         3.8         5.7         2.6           eed         4.4         3.3         2.5         method         3.2         3.7         1.5           eed         4.4         3.3         2.5         method         3.2         3.7         1.5           eed         4.6         6.0         4.7         moist         3.0         4.5         3.2           eecenter         3.8         3.5         2.2         minute         4.8         5.5         3.2           escent         3.8         3.5         2.2         minute         4.8         5.5         4.2           ie         4.6         6.0         4.7         moist         5.0         4.9         4.8           onor         4.4         4.4         4.2         more         3.8 </td <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>					•			
eath         4.7         6.4         5.1         mastery         3.4         3.3         1.5           ecay         3.7         5.0         4.7         measure         3.8         4.5         3.0           ecency         2.6         4.2         1.6         memory         3.8         5.7         2.6           eed         4.4         3.3         2.5         method         3.2         3.7         1.5           emocracy         3.7         4.8         2.8         mind         3.3         5.5         3.2           esscent         3.8         3.5         2.2         minute         4.8         5.5         4.2           ice         4.6         6.0         4.7         moist         5.0         4.9         4.8           onor         4.4         4.4         3.2         moment         3.2         4.5         2.0           ream         3.0         6.2         4.6         move         3.8         4.8         3.0           ast         4.7         5.3         3.6         need         3.2         4.5         1.9           asy         2.4         5.5         1.6         monsense         2.					•			
eceay 3.7 5.0 4.7 measure 3.8 4.5 3.0 ecency 2.6 4.2 1.6 memory 3.8 5.7 2.6 eed 4.4 3.3 2.5 method 3.2 3.7 1.5 emocracy 3.7 4.8 2.8 mind 3.3 5.5 3.2 escent 3.8 3.5 2.2 minute 4.8 5.5 4.2 eie 4.6 6.0 4.7 moist 5.0 4.9 4.8 enor 4.4 4.4 3.2 moment 3.2 4.5 2.0 rama 3.6 5.2 4.3 mood 2.8 5.1 2.5 ream 3.0 6.2 4.6 move 3.8 4.8 3.0 ast 4.7 5.3 3.6 need 3.2 4.5 1.9 asy 2.4 5.5 1.6 nonsense 2.9 4.5 2.5 go 3.2 5.0 2.5 noon 4.7 5.4 5.0 and 2.8 4.7 5.3 3.6 need 3.2 4.5 2.5 noon 4.7 5.4 5.0 and 2.8 4.7 3.5 now 3.5 5.2 2.3 mirry 3.6 4.3 3.1 obey 3.4 4.8 2.6 escence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 event 4.3 4.4 2.6 opinion 2.8 4.8 1.7 excuse 3.0 4.7 1.9 option 3.7 4.8 3.5 excitify 5.0 4.1 3.4 oral 4.1 2.6 2.4 excitify 5.0 4.1 3.2 ordinary 3.0 4.2 2.4 excitify 5.0 4.1 3.2 ordinary 3.0 4.2 2.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 2.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 2.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 2.4 excitify 5.0 4.1 3.2 ordinary 3.0 3.2 2.4 excitify 5.0 4.1 3.2 ordinary 3.0 3.2 2.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 2.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 2.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 5.5 3.4 excitify 5.0 4.1 3.4 oral 4.1 2.6 5.5 3.3 excitify 5.0 4.1 3.4 oral 4.1 2.6 5.5 3.4 excitify 5.5 2.2 4.0 power 3.8 5.5 3.3 excitify 5.5 3.4 excitify 5.2 4.0 power 3.8 5.5 3.4 excitify 5.2 2.2 excitify 5.2 3.4 excitify 5.2 2.2 excitify 5.2 2.2 excitify 5.2 3.4 excitify 5.2 2.2 excitify 5.2 2.2 excitify 5.2 2.2 excitify 5.2 3.4 excitify 5.2 2.2 excitify								
ecency         2.6         4.2         1.6         memory         3.8         5.7         2.6         eed         4.4         3.3         2.5         method         3.2         3.7         1.5           emocracy         3.7         4.8         2.8         mind         3.3         5.5         3.2           escent         3.8         3.5         2.2         minute         4.8         5.5         4.2           ie         4.6         6.0         4.7         moist         5.0         4.9         4.8           onor         4.4         4.4         3.2         moment         3.2         4.5         2.0           ream         3.0         6.2         4.6         move         3.8         4.8         3.0           ast         4.7         5.3         3.6         need         3.2         4.5         1.2         5           go         3.2         4.5         5.5         1.6         nonsense         2.9         4.5         2.5           go         3.2         5.5         1.6         nonsense         2.9         4.5         2.2         2.5           go         3.2         4.7         3.5					•			
eed         4.4         3.3         2.5         method         3.2         3.7         1.5           emocracy         3.7         4.8         2.8         mind         3.3         5.5         3.2           escent         3.8         3.5         2.2         minute         4.8         5.5         4.2           escent         4.6         6.0         4.7         moist         5.0         4.9         4.8           onor         4.4         4.4         3.2         moment         3.2         4.5         2.0           rama         3.6         5.2         4.3         mood         2.8         5.1         2.5           ream         3.0         6.2         4.6         move         3.8         4.8         3.0           ast         4.7         5.3         3.6         need         3.2         4.5         1.9           asy         2.4         5.5         1.6         nonsense         2.9         4.5         2.5           go         3.2         5.0         2.5         non         4.7         5.4         5.0           ntry         3.6         4.3         3.1         obey         3.4	•							
emocracy 3.7 4.8 2.8 mind 3.3 5.5 3.2 escent 3.8 3.5 2.2 minute 4.8 5.5 4.2 escent 3.8 3.5 2.2 minute 4.8 5.5 4.2 escent 4.6 6.0 4.7 moist 5.0 4.9 4.8 elonor 4.4 4.4 4.4 3.2 moment 3.2 4.5 2.0 eram 3.0 6.2 4.6 move 3.8 4.8 3.0 asst 4.7 5.3 3.6 need 3.2 4.5 1.9 assy 2.4 5.5 1.6 nonsense 2.9 4.5 2.5 go 3.2 5.0 2.5 noon 4.7 5.4 5.0 elono 4.7 5.2 2.3 elono 4.7 5.2 2.3 elono 4.7 5.2 2.3 elono 4.7 5.0 elono 4.7 6.0 elono 4.0 e	•				•			
Sescent   3.8   3.5   2.2   minute   4.8   5.5   4.2								
lie 4.6 6.0 4.7 moist 5.0 4.9 4.8 lonor 4.4 4.4 4.4 3.2 moment 3.2 4.5 2.0 larama 3.6 5.2 4.3 mood 2.8 5.1 2.5 ream 3.0 6.2 4.6 move 3.8 4.8 3.0 last 4.7 5.3 3.6 need 3.2 4.5 1.9 lasy 2.4 5.5 1.6 nonsense 2.9 4.5 2.5 go 3.2 5.0 2.5 noon 4.7 5.4 5.0 nod 2.8 4.7 3.5 now 3.5 5.2 2.3 ntry 3.6 4.3 3.1 obey 3.4 4.8 2.6 sence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 lassence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 lasten 4.3 4.4 2.6 opinion 2.8 4.8 1.7 xcuse 3.0 4.7 1.9 option 3.7 4.8 3.5 lact 4.6 5.2 1.9 order 3.4 4.4 2.6 lact 4.6 5.2 1.9 order 3.4 4.4 2.5 lact 4.6 5.2 1.9 order 3.4 4.4 2.5 lasten 4.6 5.2 1.9 order 3.4 4.4 2.5 lasten 4.6 5.2 1.9 order 3.4 4.4 2.5 lasten 3.5 5.2 2.4 lasten 3.5 5.2 2.9 lasten 3.0 4.7 1.9 option 3.7 4.8 3.5 lasten 3.5 5.2 2.9 lasten 3.0 3.9 permission 3.9 5.3 2.4 lasten 3.5 5.2 2.9 lasten 3.5 3.5 3.9 lasten 3.5 3.5 3.9 lasten 3.5 3.5 3.9 lasten 3.7 5.1 3.6 position 3.5 3.9 2.8 lasten 3.7 5.1 3.6 position 3.7 3.8 5.5 3.4 lasten 3.8 5.5 3.4 last					minute			
conor         4.4         4.4         3.2         moment         3.2         4.5         2.0           trama         3.6         5.2         4.3         mood         2.8         5.1         2.5           ream         3.0         6.2         4.6         move         3.8         4.8         3.0           ast         4.7         5.3         3.6         need         3.2         4.5         1.9           assy         2.4         5.5         1.6         nonsense         2.9         4.5         2.5           go         3.2         5.0         2.5         noon         4.7         5.4         5.0           nd         2.8         4.7         3.5         now         3.5         5.2         2.3           ntry         3.6         4.3         3.1         obey         3.4         4.8         2.6           ssence         2.2         4.0         1.6         oblique         3.4         2.8         1.9           vent         4.3         4.4         2.6         opinion         2.8         4.8         1.7           xcuse         3.0         4.7         1.9         option         3.7					moist	5.0	4.9	4.8
rama 3.6 5.2 4.3 mood 2.8 5.1 2.5 ream 3.0 6.2 4.6 move 3.8 4.8 3.0 ast 4.7 5.3 3.6 need 3.2 4.5 1.9 asy 2.4 5.5 1.6 nonsense 2.9 4.5 2.5 go 3.2 5.0 2.5 noon 4.7 5.4 5.0 nd 2.8 4.7 3.5 now 3.5 5.2 2.3 ntry 3.6 4.3 3.1 obey 3.4 4.8 2.6 sence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 vent 4.3 4.4 2.6 opinion 2.8 4.8 1.7 xcuse 3.0 4.7 1.9 option 3.7 4.8 3.5 acility 5.0 4.1 3.4 oral 4.1 2.6 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 add 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 aith 2.4 5.3 2.3 origin 3.3 3.5 1.4 alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 alse 2.4 4.7 5.2 4.0 power 3.8 5.5 3.4 alse 3.7 5.1 3.6 position 3.5 3.9 2.8 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 alse 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 alse 2.4 4.7 5.2 4.0 power 3.8 5.5 3.6 cotton 3.6 4.6 2.2 profit 4.2 5.5 3.4 antish 3.8 5.3 4.0 quench 3.3 5.5 5.2 2.4 alight 4.8 5.9 4.9 quiet 3.8 5.5 3.4 antish 3.8 5.9 4.9 quiet 3.8 5.5 3.4 antish 3.8 5.9 4.9 quiet 3.8 5.5 3.4 antish 3.2 retreat 3.5 4.8 2.7					moment	3.2	4.5	
aream         3.0         6.2         4.6         move         3.8         4.8         3.0           ast         4.7         5.3         3.6         need         3.2         4.5         1.9           asy         2.4         5.5         1.6         nonsense         2.9         4.5         2.5           go         3.2         5.0         2.5         noon         4.7         5.4         5.0           nd         2.8         4.7         3.5         now         3.5         5.2         2.3           ntry         3.6         4.3         3.1         obey         3.4         4.8         2.6           sence         2.2         4.0         1.6         oblique         3.4         2.8         1.9           vent         4.3         4.4         2.6         opinion         2.8         4.8         1.7           xcuse         3.0         4.7         1.9         option         3.7         4.8         3.5           acility         5.0         4.1         3.4         oral         4.1         2.6         2.4           act         4.6         5.2         1.9         order         3.4					mood	2.8	5.1	2.5
ast 4.7 5.3 3.6 need 3.2 4.5 1.9 asy 2.4 5.5 1.6 nonsense 2.9 4.5 2.5 go 3.2 5.0 2.5 noon 4.7 5.4 5.0 nd 2.8 4.7 3.5 now 3.5 5.2 2.3 ntry 3.6 4.3 3.1 obey 3.4 4.8 2.6 ssence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 option 2.8 4.8 1.7 acility 5.0 4.1 3.4 oral 4.1 2.6 2.6 acility 5.0 4.1 3.4 oral 4.1 2.6 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 acility 5.0 4.1 3.2 order 3.4 4.4 2.5 acility 5.0 4.1 3.2 order 3.4 4.4 2.5 acility 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 acilith 2.4 5.3 2.3 origin 3.3 3.5 1.4 alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 act 3.7 5.1 3.6 position 3.5 3.9 5.3 2.4 act 3.7 5.1 3.6 position 3.5 3.9 2.8 act 3.7 5.1 3.6 position 3.5 3.9 2.8 act 3.7 5.1 3.6 position 3.5 3.9 2.8 act 3.7 5.1 3.6 position 3.5 3.9 3.8 5.5 3.6 action 3.6 4.6 2.2 profit 4.2 5.5 3.6 action 3.6 4.6 2.2 profit 4.2 5.5 3.4 act 4.8 5.9 4.9 quiet 3.8 5.5 3.4 act 4.0 4.2 2.5 act 5.5 act 6.0 act 5.2 act 5.5 act 6.0 act 5.2 act 5.5 act 5.	ream				move	3.8	4.8	3.0
go 3.2 5.0 2.5 noon 4.7 5.4 5.0 nd 2.8 4.7 3.5 now 3.5 5.2 2.3 ntry 3.6 4.3 3.1 obey 3.4 4.8 2.6 ssence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 vent 4.3 4.4 2.6 opinion 2.8 4.8 1.7 xcuse 3.0 4.7 1.9 option 3.7 4.8 3.5 acility 5.0 4.1 3.4 oral 4.1 2.6 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 add 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 aith 2.4 5.3 2.3 origin 3.3 3.5 1.4 alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 ault 3.7 5.1 3.6 position 3.5 3.9 2.8 ever 4.7 5.2 4.0 power 3.8 5.5 3.6 icition 3.6 4.6 2.2 profit 4.2 5.5 3.4 ilight 4.8 5.9 4.9 quiet 3.8 5.5 3.4 ilight 3.0 4.8 3.2 retreat 3.5 4.8 2.7	ast .	4.7		3.6	need		4.5	1.9
ndd 2.8 4.7 3.5 now 3.5 5.2 2.3 antry 3.6 4.3 3.1 obey 3.4 4.8 2.6 essence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 event 4.3 4.4 2.6 opinion 2.8 4.8 1.7 accuse 3.0 4.7 1.9 option 3.7 4.8 3.5 acility 5.0 4.1 3.4 oral 4.1 2.6 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 acd 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 act 3.5 5.1 3.2 ordinary 3.0 4.2 2.4 act 3.5 5.5 3.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 act 3.1 4.8 1.8 place 4.3 4.3 3.3 act 4.3 3.3 act 4.3 3.1 4.8 1.8 place 4.3 4.3 3.3 act 4.3 act 5.5 3.4 act 5.5 3.4 act 6.5 5.2 act 6.5 5.5 3.4 act 6.5 5.5 act 6	asy	2.4	5.5	1.6	nonsense		4.5	
ntry 3.6 4.3 3.1 obey 3.4 4.8 2.6 ssence 2.2 4.0 1.6 oblique 3.4 2.8 1.9 vent 4.3 4.4 2.6 opinion 2.8 4.8 1.7 xcuse 3.0 4.7 1.9 option 3.7 4.8 3.5 acility 5.0 4.1 3.4 oral 4.1 2.6 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 add 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 aith 2.4 5.3 2.3 origin 3.3 3.5 1.4 alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 ever 4.7 5.2 4.0 power 3.8 5.5 3.6 iction 3.6 4.6 2.2 profit 4.2 5.5 3.4 inish 3.8 5.3 4.0 quench 3.3 5.5 2.4 ilight 4.8 5.9 4.9 quiet 3.8 5.5 3.4 inish 3.8 5.9 4.9 quiet 3.8 5.5 3.4 inish 3.2 or recognition 3.9 4.0 2.2 corm 4.0 4.2 2.5 response 3.7 4.6 1.9 corm 5.0 dight 4.8 3.2 retreat 3.5 4.8 2.7	go	3.2	5.0	2.5	noon	4.7		
ssence         2.2         4.0         1.6         oblique         3.4         2.8         1.9           vent         4.3         4.4         2.6         opinion         2.8         4.8         1.7           xcuse         3.0         4.7         1.9         option         3.7         4.8         3.5           acility         5.0         4.1         3.4         oral         4.1         2.6         2.4           act         4.6         5.2         1.9         order         3.4         4.4         2.5           add         3.7         5.1         3.2         ordinary         3.0         4.2         2.4           aith         2.4         5.3         2.3         origin         3.3         3.5         1.4           ales         3.5         5.2         1.9         patriotism         3.0         3.9         2.5           antasy         2.8         5.4         3.9         permission         3.9         5.3         2.4           ault         3.1         4.8         1.8         place         4.3         4.3         3.3           aut         3.7         5.1         3.6         position	nd	2.8	4.7	3.5		3.5		
event       4.3       4.4       2.6       opinion       2.8       4.8       1.7         excuse       3.0       4.7       1.9       option       3.7       4.8       3.5         actility       5.0       4.1       3.4       oral       4.1       2.6       2.4         act       4.6       5.2       1.9       order       3.4       4.4       2.5         ad       3.7       5.1       3.2       ordinary       3.0       4.2       2.4         aith       2.4       5.3       2.3       origin       3.3       3.5       1.4         alse       3.5       5.2       1.9       patriotism       3.0       3.9       2.5         antasy       2.8       5.4       3.9       permission       3.9       5.3       2.4         ault       3.1       4.8       1.8       place       4.3       4.3       3.3         ault       3.1       4.8       1.8       place       4.3       4.3       3.3         ever       4.7       5.2       4.0       power       3.8       5.5       3.6         iction       3.6       4.6       2.2	ntry	3.6	4.3	3.1	•			
excuse     3.0     4.7     1.9     option     3.7     4.8     3.5       eacility     5.0     4.1     3.4     oral     4.1     2.6     2.4       eact     4.6     5.2     1.9     order     3.4     4.4     2.5       ead     3.7     5.1     3.2     ordinary     3.0     4.2     2.4       eath     2.4     5.3     2.3     origin     3.3     3.5     1.4       ealte     3.5     5.2     1.9     patriotism     3.0     3.9     2.5       eantasy     2.8     5.4     3.9     permission     3.9     5.3     2.4       ead     3.7     5.1     3.6     position     3.5     3.9     2.8       ead     3.7     5.1     3.6     position     3.5     3.9     2.8       ead     3.7     5.1     3.6     position     3.5     3.9     2.8       ever     4.7     5.2     4.0     power     3.8     5.5     3.6       iction     3.6     4.6     2.2     profit     4.2     5.5     3.4       inish     3.8     5.3     4.0     quench     3.3     5.5     2.4	ssence							
acility 5.0 4.1 3.4 oral 4.1 2.6 2.4 act 4.6 5.2 1.9 order 3.4 4.4 2.5 act 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 aith 2.4 5.3 2.3 origin 3.3 3.5 1.4 alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 act 3.9 ever 4.7 5.2 4.0 position 3.5 3.9 2.8 ever 4.7 5.2 4.0 position 3.5 3.9 2.8 ever 4.7 5.2 4.0 power 3.8 5.5 3.6 ever 4.7 5.2 4.0 profit 4.2 5.5 3.6 ever 4.7 5.2 4.0 quench 3.3 5.5 3.9 2.8 ever 4.8 5.9 4.9 quiet 3.8 5.5 3.4 ever 3.8 5.9 4.9 quiet 3.8 5.5 3.4 ever 4.0 4.2 2.5 response 3.7 4.6 1.9 order 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	vent	4.3	4.4	2.6				1.7
act 4.6 5.2 1.9 order 3.4 4.4 2.5 ad 3.7 5.1 3.2 ordinary 3.0 4.2 2.4 aith 2.4 5.3 2.3 origin 3.3 3.5 1.4 alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 act and 3.7 5.1 3.6 position 3.5 3.9 2.8 ever 4.7 5.2 4.0 power 3.8 5.5 3.6 ever 4.7 5.2 4.0 power 3.8 5.5 3.6 exterior 3.6 2.2 profit 4.2 5.5 3.4 exterior 3.8 5.3 4.0 quench 3.3 5.5 2.4 exterior 3.8 5.5 3.4 exterior 3.2 2.6 2.2 recognition 3.9 4.0 2.2 exterior 4.0 4.2 2.5 response 3.7 4.6 1.9 exterior 4.0 4.2 2.5 response 3.7 4.6 1.9 exterior 3.0 4.8 3.2 retreat 3.5 4.8	xcuse							
add       3.7       5.1       3.2       ordinary       3.0       4.2       2.4         aith       2.4       5.3       2.3       origin       3.3       3.5       1.4         alse       3.5       5.2       1.9       patriotism       3.0       3.9       2.5         antasy       2.8       5.4       3.9       permission       3.9       5.3       2.4         ault       3.1       4.8       1.8       place       4.3       4.3       3.3         aud       3.7       5.1       3.6       position       3.5       3.9       2.8         ever       4.7       5.2       4.0       power       3.8       5.5       3.6         oction       3.6       4.6       2.2       profit       4.2       5.5       3.4         onish       3.8       5.3       4.0       quench       3.3       5.5       2.4         olly       3.2       2.6       2.2       recognition       3.9       4.0       2.2         orm       4.0       4.2       2.5       response       3.7       4.6       1.9         ord       4.0       4.2       2.5	acility							
aith       2.4       5.3       2.3       origin       3.3       3.5       1.4         alse       3.5       5.2       1.9       patriotism       3.0       3.9       2.5         antasy       2.8       5.4       3.9       permission       3.9       5.3       2.4         ault       3.1       4.8       1.8       place       4.3       4.3       3.3         aud       3.7       5.1       3.6       position       3.5       3.9       2.8         ever       4.7       5.2       4.0       power       3.8       5.5       3.6         iction       3.6       4.6       2.2       profit       4.2       5.5       3.4         inish       3.8       5.3       4.0       quench       3.3       5.5       2.4         ight       4.8       5.9       4.9       quiet       3.8       5.5       3.4         olly       3.2       2.6       2.2       recognition       3.9       4.0       2.2         orm       4.0       4.2       2.5       response       3.7       4.6       1.9         oul       3.0       4.8       3.2       <								
alse 3.5 5.2 1.9 patriotism 3.0 3.9 2.5 antasy 2.8 5.4 3.9 permission 3.9 5.3 2.4 ault 3.1 4.8 1.8 place 4.3 4.3 3.3 and 3.7 5.1 3.6 position 3.5 3.9 2.8 aud 3.7 5.1 3.6 position 3.5 3.9 2.8 aver 4.7 5.2 4.0 power 3.8 5.5 3.6 action 3.6 4.6 2.2 profit 4.2 5.5 3.6 anish 3.8 5.3 4.0 quench 3.3 5.5 2.4 aight 4.8 5.9 4.9 quiet 3.8 5.5 3.4 anish 3.2 recognition 3.9 4.0 2.2 are cognition 3.9 4.0 2.2 are cognition 3.9 4.0 2.2 are cognition 3.9 4.0 3.2 3.0 4.8 3.2 retreat 3.5 4.8 2.7					•			
antasy     2.8     5.4     3.9     permission     3.9     5.3     2.4       ault     3.1     4.8     1.8     place     4.3     4.3     3.3       aud     3.7     5.1     3.6     position     3.5     3.9     2.8       ever     4.7     5.2     4.0     power     3.8     5.5     3.6       iction     3.6     4.6     2.2     profit     4.2     5.5     3.4       inish     3.8     5.3     4.0     quench     3.3     5.5     2.4       ight     4.8     5.9     4.9     quiet     3.8     5.5     3.4       olly     3.2     2.6     2.2     recognition     3.9     4.0     2.2       orm     4.0     4.2     2.5     response     3.7     4.6     1.9       oul     3.0     4.8     3.2     retreat     3.5     4.8     2.7								
ault     3.1     4.8     1.8     place     4.3     4.3     3.3       aud     3.7     5.1     3.6     position     3.5     3.9     2.8       ever     4.7     5.2     4.0     power     3.8     5.5     3.6       ction     3.6     4.6     2.2     profit     4.2     5.5     3.4       nish     3.8     5.3     4.0     quench     3.3     5.5     2.4       ight     4.8     5.9     4.9     quiet     3.8     5.5     3.4       olly     3.2     2.6     2.2     recognition     3.9     4.0     2.2       orm     4.0     4.2     2.5     response     3.7     4.6     1.9       oul     3.0     4.8     3.2     retreat     3.5     4.8     2.7					•			
aud     3.7     5.1     3.6     position     3.5     3.9     2.8       ever     4.7     5.2     4.0     power     3.8     5.5     3.6       ction     3.6     4.6     2.2     profit     4.2     5.5     3.4       nish     3.8     5.3     4.0     quench     3.3     5.5     2.4       ight     4.8     5.9     4.9     quiet     3.8     5.5     3.4       olly     3.2     2.6     2.2     recognition     3.9     4.0     2.2       orm     4.0     4.2     2.5     response     3.7     4.6     1.9       oul     3.0     4.8     3.2     retreat     3.5     4.8     2.7	-				•			
Ever type     4.7     5.2     4.0     power     3.8     5.5     3.6       Ction 3.6     4.6     2.2     profit 4.2     5.5     3.4       nish 3.8     5.3     4.0     quench 3.3     5.5     2.4       ight 4.8     5.9     4.9     quiet 3.8     5.5     3.4       olly 3.2     2.6     2.2     recognition 3.9     4.0     2.2       orm 4.0     4.2     2.5     response 3.7     4.6     1.9       oul 3.0     4.8     3.2     retreat 3.5     4.8     2.7					•			
ction     3.6     4.6     2.2     profit     4.2     5.5     3.4       nish     3.8     5.3     4.0     quench     3.3     5.5     2.4       ight     4.8     5.9     4.9     quiet     3.8     5.5     3.4       olly     3.2     2.6     2.2     recognition     3.9     4.0     2.2       orm     4.0     4.2     2.5     response     3.7     4.6     1.9       oul     3.0     4.8     3.2     retreat     3.5     4.8     2.7					•			
nish     3.8     5.3     4.0     quench     3.3     5.5     2.4       ight     4.8     5.9     4.9     quiet     3.8     5.5     3.4       olly     3.2     2.6     2.2     recognition     3.9     4.0     2.2       orm     4.0     4.2     2.5     response     3.7     4.6     1.9       oul     3.0     4.8     3.2     retreat     3.5     4.8     2.7					•			
ight     4.8     5.9     4.9     quiet     3.8     5.5     3.4       olly     3.2     2.6     2.2     recognition     3.9     4.0     2.2       orm     4.0     4.2     2.5     response     3.7     4.6     1.9       oul     3.0     4.8     3.2     retreat     3.5     4.8     2.7					•			
Solly 3.2 2.6 2.2 recognition 3.9 4.0 2.2 orm 4.0 4.2 2.5 response 3.7 4.6 1.9 ord 3.0 4.8 3.2 retreat 3.5 4.8 2.7					•			
orm 4.0 4.2 2.5 response 3.7 4.6 1.9 oul 3.0 4.8 3.2 retreat 3.5 4.8 2.7								
oul 3.0 4.8 3.2 retreat 3.5 4.8 2.7	-				•			
reedom 3.5 5.5 2.8 ftcli 4.2 6.0 5.4 gender 5.0 5.8 4.5 role 3.2 4.4 2.7	reedom	3.5	5.5	2.8				

***		Ratings Scale					Ratings Scale		
Word	Concreteness	s Imageability C	ontext Availability	Word	Concreteness		Context Availability		
safety	3.6	4.8	2.7	crown	6.2	6.6	5.2		
sale	5.0	5.5	4.4	crutch	5.7	6.4	3.5		
science	5.0	5.0	3.3	daughter	6.2	6.1	6.5		
second	3.6 2.7	4.6	2.2 1.8	dentist	6.6	6.7	6.0		
see sequel	3.8	4.8 5.0	3.4	desk dirt	6.9	6.9	5.8		
sequence	3.8	3.6	1.9	dog	6.2 6.8	6.8 7.0	4.5 6.4		
severe	3.1	4.8	2.5	dragon	5.7	6.7	5.2		
sight	3.5	5.5	3.6	dust	5.9	5.9	5.3		
slim	4.2	5.7	5.5	eagle	6.7	6.8	5.6		
soul	2.6	5.1	2.1	egg	6.7	7.0	5.9		
south	4.0	5.1	3.7	elephant	6.7	7.0	5.9		
stubborn	3.5	5.3	3.4	face	6.0	6.6	5.6		
subject	4.0	5.3	2.5	factory	6.4	6.3	5.3		
suggestion	3.7	4.2	2.0	father	5.7	6.5	6.2		
theft	4.7	4.6	3.7	fence	6.7	6.9	5.4		
think	2.8	5.2	1.9	flag	6.6	6.9	5.8		
thought	2.3	4.5	1.7	flute	6.5	6.9	4.9		
time	3.9	6.2	3.7	game	5.3	5.9	5.9		
total	3.7	4.6	1.8	garden	6.2	6.7	6.0		
travel	4.4	5.7	3.4	girl	6.3	6.8	6.3		
treat truth	4.4 3.2	5.4	4.2	gold	6.4	6.5	6.0		
vice	3.2	5.2 3.9	1.8 2.4	hair	6.5	6.9	6.2		
virtue	2.1	3.5	2. <del>4</del> 1.4	ham	6.4	6.7	5.8		
warmth	3.6	4.9	3.5	ice jewel	6.2 6.2	6.7 6.6	6.1 5.1		
wealth	3.6	5.4	3.6	jungle	5.7	6.5	5.9		
welfare	3.2	5.4	3.0	king	5.7	6.7	5.5		
win	3.9	5.7	4.3	knob	6.5	6.5	5.0		
wisdom	2.8	4.4	2.2	liquor	6.0	6.4	6.0		
wrong	3.2	5.1	2.0	machine	6.0	5.8	5.3		
young	3.7	5.8	4.4	magazine	6.5	6.7	6.0		
				mirror	6.3	6.8	6.1		
	Conc	rete Words		money	6.1	6.9	6.5		
acre	5.3	4.7	5.3	moon	6.3	7.0	6.1		
airplane	6.7	7.0	6.0	mouth	6.3	6.9	5.9		
animal	6.0	6.5	6.2	movie	5.9	6.3	6.5		
apartment	6.4	6.5	6.2	mule	6.4	6.4	4.4		
apple	6.6	7.0	6.2	newspaper	6.2	6.9	6.0		
arm	6.4	7.0	6.0	nose	6.5	6.9	5.9		
asphalt	6.1	5.3	4.2	nurse	6.3	6.8	5.4		
baby balloon	6.3	6.9	6.2	orange	6.3	6.9	5.6		
bank	6.6 6.1	7.0	6.0	paper	6.4	6.7	6.1		
basket	6.6	6.5 6.9	6.1 5.8	party	5.5 6.6	6.5 7.0	6.5		
bead	6.3	6.4	4.1	pen pencil	6.6	7.0 7.0	6.5 6.3		
bean .	6.4	6.5	4.9	penny	6.8	7.0	5.7		
bee	6.7	6.9	5.9	pepper	6.4	6.7	6.1		
beer	6.3	6.9	6.0	poison	5.2	4.2	5.7		
bible	6.3	6.8	5.5	police	6.3	6.8	6.2		
brush	6.5	6.8	5.3	pond	6.1	6.8	4.9		
building	6.3	6.4	5.8	rope	6.6	6.6	5.1		
burglar	6.2	6.5	5.5	salt	6.0	6.5	5.9		
cake	6.6	6.9	6.4	sand	6.7	6.7	5.5		
calf	6.4	6.4	4.6	school	6.1	6.5	6.6		
canoe	6.9	7.0	4.5	scissors	6.8	7.0	5.2		
card	6.2	6.5	5.8	sheep	6.7	7.0	4.6		
castle	6.4	6.9	5.0	skin	6.3	6.6	5.8		
chin	6.4	6.7	5.3	sock	6.7	6.9	5.1		
cigar Nock	6.5	7.0	5.4	soil	5.9	6.5	3.8		
clock	6.7 5.8	6.9	6.2	son	6.3	6.2	6.1		
cloud clown	5.8	7.0	6.0	story	5.3	3.9	6.1		
cork	6.4 6.8	6.9 6.6	5.9 5.2	street text	6.4	6.5	6.3		
costume	5.4	5.6	5.2 5.4	thumb	5.9 6.7	5.5	5.3		
- Cottaille	J. <del>T</del>	5.0	J. <del>T</del>	trium0	0.7	6.9	6.0		

		Ratings Sc	ale		Ratings Scale			
Word	Concreteness	Imageability	Context Availability	Word	Concreteness	Imageability	Context Availability	
timber	6.0	5.3	4.9	hope	2.6	5.4	2.4	
tower	6.1	6.3	5.4	hopeful	3.1	2.6	4.4	
truck	6.8	7.0	5.7	hurt	3.3	3.6	5.0	
web	5.4	6.5	6.0	hysterical	3.4	4.2	5.4	
	Emot	ion Words		indifferent	2.6	1.7	3.6	
œ			4.0	infatuated	2.8	2.4	2.7	
affection	3.4	5.0	4.0	interested	3.0	2.5	5.2	
affectionate	3.2	4.3	4.9	jealousy	2.9	5.0	2.6	
afraid	3.2	3.4	5.3	joy	3.0	3.7	5.2	
aggravated	2.9	3.3	5.4	lonely	2.6	2.5	4.9	
aggressive	3.3	2.8	5.2	love	2.4	4.2	6.4	
alert	3.1	3.5	5.1	mad	3.0	3.9	5.9	
angry	2.9	4.3	5.7	miserable	3.0	3.5	5.4	
annoyed	3.1	3.4	5.2	moody	2.6	3.0	5.5	
anxiety	3.8	4.7	2.7	nervous	3.2	3.4	5.4	
inxious	2.5	2.5	4.4	obsessed	3.0	2.8	5.8	
awful	3.2	2.8	4.6	panic	3.0	5.5	3.8	
calm	2.7	2.9	5.0	preoccupied	2.7	2.5	4.6	
cheerful	3.4	3.8	5.2	regret	3.3	5.1	2.3	
concerned	3.0	2.8	4.7	rejection	2.8	4.6	5.8	
confident	3.2	3.2	5.0	sad	3.1	4.0	5.1	
content	2.8	2.0	4.0	scared	2.9	3.7	5.3	
curious	2.6	2.8	5.3	secure	2.4	1.8	3.7	
delight	3.4	4.4	3.4	sensitive	2.9	2.7	5.1	
delighted	3.0	3.3	4.3	serious	3.2	3.2	4.7	
depressed	3.0	3.5	5.4	skeptical	2.5	2.3	4.0	
disappointed	3.2	2.7	4.4	sorry	2.8	2.8	5.3	
discouraged	3.0	2.7	4.9	stupid	3.2	2.8	5.8	
disgusted	2.9	3.3	4.9	surprised	3.0	4.2	4.9	
excited	3.4	4.5	5.6	thankful	3.3	2.7	4.7	
fear	3.1	5.4	3.5	thrilled	3.0	3.5	4.5	
rustrated	3.1	3.4	5.4	troubled	3.0	3.0	4.3	
fulfilled	2.8	1.7	3.9	uncertain	2.8	2.4	4.2	
urious	3.3	4.0	5.1	uncomfortable	3.0	3.0	4.7	
glad	3.2	3.6	5.0	unhappy	2.9	3.9	5.3	
grateful	3.3	3.1	4.8	upset	3.2	3.4	5.0	
greed	3.5	4.5	3.4	worried	3.1	3.2	5.4	
grief	3.1	4.7	3.5	zealous	2.8	2.3	2.7	
happy	3.0	4.5	6.0	222.000				

APPENDIX B
Stimulus Words and Their Associations and the Proportions of
Participants Who Generated a Given Association for Each Stimulus Word

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion of Participants
	Abstract Words			first	.25
ability				financial	.05
aomity	skill	.13	allow		
	able	.11		permit	.31
	capable	.11		let	.24
	talent	.11		permission	.11
	capability	.05		give	.07
advice	capaomity	.03	answer		
advice	help	.15		question	.67
	friend	.09		machine	.05
	opinion	.07		reply	.05
	column	.05		response	.05
	counselor	.05	area		
	give	.05		space	.13
aid	5.70	.02		place	.11
aiu	help	.49		rug	.07

	1818	Proportion of	(		Proportion
Stimulus Word	Associations	Participants	Stimulus Word	Associations	Participant
	location	.05		choose	.07
	map	.05		pick	.07
art				abortion	.05
	painting	.20		option	.05
	gallery	.09		pro	.05
	work	.09	concept	-	
	paint	.07	•	idea	.42
attitude	•			theory	.05
	bad	.16		thought	.05
	problem	.11	conquest		
	rude	.09	o and most	win	.18
	opinion	.07		conquer	.11
	obnoxious	.05		victory	.11
		.05		-	.09
	personality		4	war	.09
1	positive	.05	cost		2.5
beauty		• 0		money	.35
	beast	.29		price	.15
	pretty	.13		amount	.07
	model	.07		expensive	.07
	face	.05		effective	.05
	ugly	.05		efficient	.05
bend			count		
	break	.18		numbers	.42
	over	.15		money	.15
	flexible	.09		number	.13
	knee	.07			.05
		.05	criticism	sheep	.03
benefit	curve	.03	criticism		
benerit	,			constructive	.11
	good	.13		critique	.07
	advantage	.07		critic	.05
	dinner	.05		judgment	.05
	help	.05		praise	.05
	insurance	.05	culture		
bribe				shock	.13
	money	.56		society	.07
capability	•			heritage	.05
	ability	.25	dare		.02
	able	.20	dare	truth	.33
	can	.05		double	.16
		.05			
	potential	.03		devil	.09
capable				challenge	.05
	able	.44		drugs	.05
	ability	.09	deal		
	competent	.07		cards	.65
chance				money	.09
	luck	.29	death	· ·	
	risk	.09		funeral	.13
	opportunity	.07		life	.11
chaos	оррогият			sad	.11
Chaos	crazy	.11		black	.07
	anarchy	.09	dagay	DIACK	.07
			decay		25
	confusion	.07		rot	.25
	disorder	.07		tooth	.13
	order	.05		die	.07
	turmoil	.05		old	.07
character				teeth	.05
	cartoon	.16	decency		
	personality	.13	•	good	.13
	play	.13		nice	.09
	actor	.05		kind	.07
	flaw	.05		clothed	.05
	witness	.05			
choice	WILLESS	.03	dood	proper	.05
CHOICE	daaisiss	20	deed	1	20
	decision	.29		good	.20

timulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion of Participants
	house	.20	Damaius Word	herbal	.05
democracy	nousc	.20	event	Herbai	.03
democracy	government	.22	event	happening	.16
	communism	.09		party	.11
	politics	.09			.07
				concert	
	fair	.07		holiday	.05
	freedom	.05		sports	.05
	republic	.05	excuse		
	vote	.05		pardon	.16
descent				me	.15
	down	.20		lie	.11
	lower	.11		lame	.09
	fall	.07		reason	.05
	good	.07	facility		
	ascent	.05	•	bathroom	.29
	heritage	.05		building	.11
die				school	.09
u.c	live	.33		ease	.05
	death	.11	•	lab	.05
			£a.a4	140	.05
	dead	.07	fact	C*	40
	end	.07		fiction	.40
donor				truth	.15
	blood	.33		opinion	.11
	heart	.22	fad		
	organ	.22		fashion	.27
drama				trend	.18
	play	.53		style	.13
	theater	.11		clothes	.07
	movie	.05	faith	***************************************	107
	show	.05	Iuitii	religion	.25
dream	SHOW	.03		belief	.13
ulcain	alaan	20			
	sleep	.38		hope	.13
	nightmare	.11		church	.11
	fantasy	.09		trust	.07
	day	.05	false		
	team	.05		true	.60
east				truth	.07
	west	.98		teeth	.05
easy	**		fantasy		
•	hard	.44	•	dream	.33
	going	.11		island	.18
	simple	.11		ecstasy	.05
	difficult	.07		fiction	.05
			fault	riction	.03
	money	.05	raun	1.1	2.5
ego		2.4		blame	.35
	id	.24		guilt	.07
	maniac	.13		line	.05
	big	.05		wrong	.05
	self	.05	feud		
	trip	.05		family	.38
end	•			fight	.36
	beginning	.29		war	.11
	begin	.22	fever		
	finish	.13		sick	.40
	start	.07		hot	.29
entry	Stat t	.07		cold	.07
entry	auit	.20	finting	coiu	.07
	exit		fiction	1	1.2
	door	.18		novel	.13
	level	.09		book	.11
	computer	.05		story	.11
essence				science	.09
	smell	.13		fact	.07
				C 1	
	aura	.11		fake	.07

		APPENDIX I	(Continued)		
Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion Participat
	nonfiction	.05		scary	.05
finish			health	•	
	start	.33		doctor	.11
	end	.25		good	.09
	line	.15		body	.07
	begin	.07		care	.07
	complete	.05		center	.05
	race	.05		sickness	.05
flight	race	.03	heaven	or mires	.00
mgne	plane	.27	neaven	hell	.45
	airplane	.18		cloud	.07
		.13		earth	.05
	fight				.05
C. 11	attendant	.09	1 : . 1. 4	good	.03
folly		• /	height		26
	joke	.16		weight	.36
	joy	.09		tali	.35
	mistake	.09		short	.09
	funny	.07		length	.05
	jolly	.07	heritage		
	fun	.05		culture	.11
	play	.05		background	.09
form	1 7			family	.09
	shape	.22		history	.07
	content	.07		ancestor	.05
	figure	.07		ancestors	.05
	structure	.07		roots	.05
		.05	hint	10018	.03
	application		шш	-1	.49
	fitting	.05		clue	
	paper	.05		suggest	.09
	style	.05		subtle	.05
foul			honor		
	smell	.25		pride	.24
	play	.13		award	.11
	ball	.11		glory	.07
	stench	.09		society	.07
	odor	.07		truth	.05
freedom			hour		
	liberty	.11		minute	.35
	slavery	.07		glass	.27
gender	y			time	.15
Bender	sex	.31		clock	.05
	male	.18		second	.05
	female	.11	humor	Second	.03
			numoi	£	25
	girl	.07		funny	.35
	role	.07		laugh	.18
	bias	.05		laughter	.07
glory	_			comedy	.05
	flag	.13		joke	.05
	days	.11	hunger		
	pride	.07		food	.33
	happy	.05		thirst	.09
	honor	.05		pains	.07
	victory	.05		starvation	.07
	war	.05		starve	.07
guess				eat	.05
O	jeans	.20		poor	.05
	question	.15	idea	poo.	.05
	hypothesis	.11	iuca	thought	.38
		.09		thought	
	what			lightbulb	.16
1	show	.05		good	.09
haunt	•	2.6		concept	.05
	ghost	.36		think	.05
	scare	.20	image		
	house	.11	Ų	picture	.24

imulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion of Participants
	mirror	.20		heavy	.07
	vision	.07		carry	.05
impression				high	.05
	first	.22		pull	.05
	image	.09		ski	.05
	opinion	.07	mastery		
	thought	.07	-	expert	.09
	good	.05		novice	.05
intellect				perfection	.05
	smart	.49		skill	.05
	intelligence	.07		smart	.05
	knowledge	.05	measure		
	wisdom	.05		ruler	.45
jeopardy				cup	.11
J	game	.22		amount	.05
	danger	.18		tape	.05
	gameshow	.11	memory	tape	.03
	trouble	.09	memory		2.1
			•	cognition	.31
lemonul - J	show	.05		mind	.13
knowledge		22		remember	.05
	smart	.22		span	.05
	wisdom	.15	method		
	intellect	.09		way	.16
	brain	.05		man	.09
large				procedure	.09
	small	.44		scientific	.09
	big	.27		madness	.07
	huge	.05		plan	.07
law	J			experiment	.05
	school	.24	mind		
	order	.13		brain	.38
	police	.09		body	.15
	court	.07		matter	.05
	enforcement	.07	minute	matter	.03
	justice	.05	milate	second	.33
	•	.05		time	.20
learning	lawyer	.03			
learning	aabaal	27		hour	.16
	school	.27		maid	.05
	knowledge	.13		small	.05
	disability	.09	moist		
legend				wet	.45
	story	.24		cake	.20
	hero	.09		damp	.07
	tale	.09	moment		
	fall	.05		time	.33
	history	.05		second	.16
length				now	.09
	width	.22		minute	.07
	long	.16	mood		
	ruler	.16		bad	.16
	time	.11		happy	.13
	short	.07		swing	.11
	hair	.05		sad	.07
liberty	11011	.05		feeling	.05
ourty	freedom	.33	move	recting	.05
	bell	.18	HOVE	911/91/	.09
				away	
	justice	.16		house	.07
	statue	.13		over	.07
	life	.07		quick	.05
110	free	.05		walk	.05
lift			need		
	up	.13		want	.49
	raise	.11 .07		desire	.13

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion Participant
nonsense				slip	.09
	silly	.20		allowed	.07
	pantyhose	.07	place		
	foolish	.05	piace	home	.16
noon	10011311	.05		house	.11
поон	midnight	.20		area	.07
				location	.07
	time	.20			
	twelve	.11		time	.07
	high	.09		position	.05
	night	.09	position		
	lunch	.07		place	.15
now				sex	.07
	then	.45		job	.05
	later	.27	power	_	
	present	.11	1	strength	.09
obey	p. c.s.	***		strong	.07
obcy	listen	.24		trip	.05
			Fit	шр	.03
	follow	.11	profit		
	rules	.07		money	.62
	command	.05		gain	.13
opinion				margin	.05
	fact	.15	quench		
	thought	.09	•	thirst	.82
	view	.09		thirsty	.07
	poll	.05	quiet	***************************************	,
oral	pon	.03	quiet	loud	.25
Olai	41.	25			
	mouth	.35		noisy	.09
	sex	.09		silent	.09
	exam	.07		hush	.07
	cavity	.05		noise	.07
	surgeon	.05		shy	.07
	surgery	.05		peaceful	.05
order			recognition	F	
01401	sequence	.11	recognition	know	.09
	food	.07		award	.07
		.07			
	law			realize	.07
	chaos	.05		see	.07
	mail	.05		face	.05
ordinary				familar	.05
	plain	.44	response		
	regular	.07		answer	.53
	boring	.05		time	.05
origin			retreat	******	,,,,
origin	beginning	.33	·	leave	.07
	place	.13		run	.07
	start	.09		back	.05
	birth	.07		vacation	.05
panic			rich		
	attack	.25		poor	.49
	fear	.13		money	.24
	scared	.13		unhappy	.05
	nervous	.09	role	rrs	
patriotism	1040	,	1010	play	.42
patrionsin	flac	.29		model	
	flag				.13
	country	.15		acting	.05
	soldier	.07		actor	.05
	war	.07	safety		
peace				security	.18
	war	.35		home	.07
	love	.16		net	.05
	dove	.07		pin	.05
permission		,		secure	.05
permission	allow	.24	gala	SCCUIE	.03
	allow ask	.24 .20	sale		
	ack	70		bargain	.11
	granted	.09		money	.11

imulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion o Participants
	buy	.09		pole	.07
	clothes	.07	stubborn	Po.0	
	price	.07	Stabborn	mule	.36
	shopping	.07		obstinate	.05
	discount	.05	subject	obstitute	.05
science	discount	.00	Sasjeet	participant	.11
serence	biology	.15		school	.11
	fiction	.07		topic	.11
	experiment	.05		class	.07
	fair	.05		experiment	.07
	math	.05		object	.07
	medicine	.05	suggestion	object	.07
second	medicine	.03	suggestion	idea	.31
second	first	.31		advice	.20
	minute	.22		box	.11
	third	.11		opinion	.07
		.05			.05
	base		41-0	answer	.03
	chance	.05	theft	-41	25
	time	.05		steal	.25
see		24		burglar	.07
	eyes	.24		rob	.07
	look	.16		robber	.07
	hear	.15		stolen	.07
	eye	.09		burglary	.05
	blind	.07		robbery	.05
	sight	.07	think		
sequel				thought	.16
	movie	.20		brain	.11
	second	.11		mind	.11
	continue	.07		ponder	.11
	next	.07		idea	.05
	continuation	.05	thought		
	two	.05		idea	.18
sequence				process	.15
•	order	.51		think	.15
	events	.13		brain	.07
severe				mind	.07
	harsh	.18	time		
	extreme	.09		clock	.45
	serious	.09		hour	.13
	bad	.05		watch	.11
	punishment	.05	topic		
sight	F			subject	.20
-6	eyes	.22		paper	.13
	see	.22		title	.09
	sound	.11		issue	.07
	blind	.07	total		
	eye	.07	· · · · · · · · · · · · · · · · · · ·	sum	.27
	glasses	.07		amount	.11
	vision	.05		complete	.09
slim	VISION	.03		cereal	.07
311111	skinny	.27		all	.05
	fat	.20		equal	.05
	thin	.20 .16	travel	cquai	.03
soul	umi	.10	uavei	plane	.20
SOUI	mata	.25		fly	.11
	mate	.25		abroad	.09
	body				
	train	.11		vacation	.07
	heart	.07		agency	.05
	heaven	.07		agent	.05
	mind	.07	treat		2.4
	inner	.05		candy	.36
	spirit	.05		trick	.24
south				doctor	.05
South	north	.69	truth		

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion Participant
	lie	.45	apartment		
	dare	.15		house	.29
	false	.09		building	.18
	honor	.09		home	.07
	honesty	.05		complex	.05
vice	nonesty	.03		rent	.05
VICC	president	.24	apple	TOILE	.03
	-	.18	appie	0.000.00	.29
	versa			orange	
	grip	.11		red	.15
	squad	.07		pear	.13
	virtue	.05		fruit	.11
virtue				pie	.07
	truth	.15		tree	.07
	good	.07	arm		
	goodness	.05		leg	.62
	honor	.05		hand	.18
	moral	.05	asphalt	nuna	0
	patience	.05	aspiiait	mariam ant	.15
				pavement	
	virgin	.05		road	.11
warmth				driveway	.09
	cold	.15		concrete	.07
	heat	.15		rock	.05
	fire	.11		salt	.05
	blanket	.07		tar	.05
	sun	.07	baby		
wealth				cry	.11
woulds	money	.38		boy	.09
	selfish	.11		child	.09
10	stingy	.07		cute	.09
welfare		• •		boom	.05
	poor	.38		food	.05
	social	.09	balloon		
	money	.07		helium	.16
	system	.07		party	.15
win	-			red	.09
	lose	.71		birthday	.07
	game	.05		string	.07
wisdom	Burne	.03		pop	.05
Wisdom	knowledge	.25	bank	рор	.03
		.24	bank		5.5
	smart			money	.55
	wise	.09		teller	.09
	old	.05		robber	.07
	tooth	.05		robbery	.07
wrong			basket		
	right	.80		weave	.24
young	-			case	.20
, ,	old	.69		ball	.11
	child	.07		fruit	.11
	Viiilu	.01		flowers	.07
	Concrete Words				
	Committee rivius		, ,	picnic	.05
acre	11	7.0	bead		<i>3</i> =
	land	.75		necklace	.62
	grass	.07		string	.07
	farm	.05	bean		
airplane				stalk	.16
-	fly	.36		bag	.15
	crash	.15		string	.07
	airport	.07			
		.07		green	.05
	wings	.07		kidney	.05
a m i 1		2.1	bee		
animal					.29
animal	dog	.31		sting	.29
animal	dog cat	.18		hive	
animal					.25

timulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion of Participants
umarus woru	bumble	.09	chin	Associations	1 articipants
beer	barnote	.07	V	face	.33
	drink	.22		cleft	.11
	alcohol	.18		nose	.07
	drunk	.13		beard	.05
	bar	.07		double	.05
bible				mouth	.05
	religion	.22		up	.05
	church	.16	cigar		
	book	.11	<b>U</b>	smoke	.64
	belt	.05		cigarette	.09
	holy	.05		smell	.05
	Jesus	.05	clock		100
	study	.05	Clock	time	.56
brush	study	.05		wall	.11
Diusii	hair	.42		alarm	.07
		.25		tick	.05
	comb		المستام	UCK	.03
1 11 11	teeth	.16	cloud	1	26
building	. 11	17		sky	.36
	tall	.16		rain	.15
	blocks	.11		fluffy	.09
	brick	.07		nine	.09
	office	.05		white	.07
	window	.05	clown		
burglar				funny	.20
	alarm	.16		nose	.18
	thief	.15		circus	.15
	steal	.13		happy	.11
	crime	.09		laughs	.07
	robber	.09		face	.05
	rob	.07	cork		
	robbery	.07		screw	.42
cake	robbery	.07		wine	.31
carc	birthday	.31		bottle	.13
	frosting	.09		champagne	.07
	icing	.09	costume	champagne	.07
		.05	costume	morty.	.22
	bake			party	
10	sweet	.05		clown	.07
calf		4.5	crown		22
	cow	.67		king	.33
	leg	.09		queen	.11
	baby	.07		gold	.09
canoe				jewel	.09
	boat	.44		jewels	.09
	water	.15		royalty	.07
	river	.07		head	.05
	paddle	.05	crutch		
	ride	.05		leg	.22
card				broken	.16
	game	.16		limp	.09
	birthday	.13		hurt	.07
	deck	.13		cripple	.05
	ace	.05	daughter	· rr	
	play	.05	aaagiitoi	son	.45
cards	p.wj	.00		mother	.25
cards	deck	.29		girl	.05
	game	.16		sister	.05
		.07	dentist	313101	.03
	deal		uciitist	teeth	.42
aaa*1a	play	.07			
castle	1.5	25		drill	.09
	king	.25		pain	.05
	moat	.13		tooth	.05
	rock	.13		white	.05
	princess sand	.09 .05	desk	chair	.38

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportio Participa
	top	.13	fence		
	lamp	.05		picket	.24
	paper	.05		white	.13
	table	.05		wire	.09
	work	.05		gate	.07
dirt		.02		climb	.05
dirt	mud	.29		house	.05
		.09			.05
	ground			jump	
	clean	.07	~	sword	.05
	brown	.05	flag	_	
	dust	.05		pole	.18
	soil	.05		wave	.09
dog				country	.07
_	cat	.47		stars	.07
	bark	.07		patriotic	.05
	house	.07		red	.05
	barks	.05		stripes	.05
dragon	Odiks	.03	flute	stripes	.03
dragon	<b>c</b> :	20	nute		22
	fire	.38		music	.33
	fly	.13		instrument	.24
	slayer	.09		clarinet	.07
dust				player	.05
	dirt	.24	game		
	sneeze	.13	•	play	.27
	broom	.05		board	.09
	cloth	.05		football	.05
	dirty	.05		fun	.05
					.05
,	dry	.05		monopoly	
eagle				room	.05
	bird	.45		show	.05
	fly	.13	garden		
	bald	.11		flowers	.33
egg				flower	.13
00	yolk	.20		hose	.09
	chicken	.16		vegetables	.07
	scrambled	.13	girl	regetables	.07
elephant	scramoled	.13	giii	hou	.71
етерпані		12		boy	
	animal	.13		friend	.09
	trunk	.13	gold		
	big	.11		silver	.42
	grey	.11		bracelet	.05
	peanuts	.07		money	.05
	man	.05		necklace	.05
	tusk	.05		ring	.05
face		.55	hair	5	.05
1400	noce	.22	nan	brush	.20
	nose				
	lift	.09		long	.13
	eyes	.07		comb	.07
	head	.07		cut	.07
	pretty	.07		blonde	.05
	body	.05	ham		
	smile	.05		cheese	.24
factory				eggs	.11
	outlet	.13		pig	.11
	workers	.11		pork	.07
	worker	.09			
				sandwich	.07
	smoke	.07		meat	.05
	work	.07	ice		
	industry	.05		cold	.33
	warehouse	.05		cream	.15
				water	.15
father					
father	mother	.60		cube	13
father	mother son	.60 .11		cube skate	.13 .09

		Proportion of			Proportion of
timulus Word	Associations	Participants	Stimulus Word	Associations	Participants
	diamond	.29		scream	.05
	ring	.20	mule		
	ruby	.11		donkey	.36
	crown	.07		animal	.11
	gem	.07		horse	.09
jungle				slow	.05
	fever	.18		stubborn	.05
	trees	.13		team	.05
	book	.11	newspaper		
	animals	.09	• •	read	.25
	forest	.05		article	.13
	wild	.05		magazine	.05
king		.00	nose	magaz•	.05
6	queen	.76	11000	face	.29
	crown	.15		mouth	.11
knob	Clowii	.13			.09
KIIOO	4	.91		big	
1.	door	.91		eyes	.09
liquor				bleed	.07
	drink	.18		hair	.05
	drunk	.18	nurse		
	alcohol	.15		doctor	.69
	beer	.09	orange		
	cabinet	.07		fruit	.27
	vodka	.07		apple	.20
machine				red	.13
	factory	.16		juice	.09
	metal	.09		peel	.09
	sewing	.09		yellow	.09
magazine	3C WING	.07	naner	yenow	.07
magazine	read	.16	paper	manail	.29
				pencil	
	article	.15		pen	.16
	paper	.09		write	.07
	book	.07	party		
	rack	.07		fun	.24
	ad	.05		beer	.09
	newspaper	.05		animal	.05
mirror				birthday	.05
	image	.35		time	.05
	reflection	.24	pen		
	glass	.09	•	pencil	.45
	face	.07		write	.22
	look	.05		paper	.15
money	TOOK	.05		ink	.11
money	rich	.15	pencil	IIIK	.11
	cash	.11	penen	nan	.47
				pen	
	green	.11		paper	.15
	dollar	.07		sharper	.09
moon		2.5		erasure	.07
	sun	.25		write	.05
	stars	.13	penny		
	light	.09		copper	.18
	sky	.07		nickel	.13
	shine	.05		money	.11
mouth				dime	.09
	teeth	.22		saver	.05
	lips	.15	pepper	- -	
	nose	.15	L-L4.	salt	.75
	open	.09		shaker	.05
	face	.07	poison	SHURCI	.03
		.07	poison	is/s/	25
	oral			ivy	.25
	feed	.05		death	.13
movie	.i	2.1		snake	.09
	theater	.31		control	.05
	film	.11		dead	.05
	popcorn	.11		deadly	.05

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion Participan
	rat	.05		end	.05
police				read	.05
F	officer	.24		teller	.05
	car	.07	street	terior	.05
			street	1 i och t	.18
	law	.07		light	
	man	.07		road	.15
	gun	.05		car	.07
pond				lights	.07
•	water	.31		sign	.07
	lake	.16		cars	.05
	duck	.07	text	Caro	.02
			icxi	haal.	.82
	ducks	.05		book	
	fish	.05		read	.05
	frog	.05	thumb		
rope				hand	.27
•	climb	.16		nail	.22
	burn	.15		finger	.13
		.15		suck	.09
	jump				
	tie	.09		print	.07
	hang	.05	timber		
	knot	.05		wood	.42
	swing	.05		tree	.31
salt			tower		
Sair	pepper	.75	tower	tall	.36
	shaker	.05		castle	.09
school				high	.09
	bus	.15		leaning	.05
	books	.11	truck		
	teacher	.09		car	.20
	house	.05		driver	.20
scissors	nouse	.03			.13
SCISSOIS		60		stop	
	cut	.60		drive	.07
	paper	.24		wheel	.05
sheep				wheels	.05
	wool	.33	web		
	lamb	.07		spider	.98
	white	.07			., .
	flock	.05		Emotion Words	
			affection		
	herd	.05	<b>W.1.4</b>	love	.44
	skin	.05			
skin				caring	.07
	soft	.18		care	.05
	color	.11	affectionate		
	smooth	.11		loving	.27
				caring	.20
	rash	.07		love	.16
	dry	.05		warm	.05
	pale	.05	. C	wallii	.03
sock			afraid		
	shoe	.35		scared	.64
	foot	.31		fear	.09
				dark	.04
••	feet	.07	aggravated		
soil		4.6	2551414104	assault	.20
	dirt	.60			
	plant	.09		frustrated	.13
	dirty	.07		angry	.11
	ground	.05		annoyed	.09
con	Broanu	.00		mad	.07
son	1 1.	<b>CA</b>		frustration	.05
	daughter	.64		irritated	.05
	father	.13			
	boy	.07		upset	.05
	brother	.05	aggressive		
story	0.00.101	-0-		forceful	.09
Stor y	haale	25		mean	.07
	book	.35		passive	.05
				Daggive	.05
	tale telling	.11 .07		pushy	.05

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion o Participants
	strong	.05		down	.07
alert	3			cool	.05
	awake	.36		peaceful	.05
	aware	.24		serene	.05
	alarm	.09		storm	.05
	ready	.05	cheerful	Storm	.03
alienation	ready	.03	checitui	hanny	.73
anchation	alone	.38		happy	.73
	aione	.38	concerned		21
amazement		33		worried	.31
	surprise	.22		care	.13
	awe	.20		caring	.13
	wonder	.15	confident		
	shock	.09		sure	.33
amusement				strong	.13
	park	.42		assured	.05
	fun	.22		unsure	.05
	laugh	.07	content		
anger	C			happy	.24
	mad	.29		book	.07
	frustration	.05		satisfied	.05
	red	.05			.05
	ieu	.03		story	.03
angry	,	30	curious		
	mad	.38		cat .	.15
	sad	.13		question	.11
	happy	.09		wondering	.11
annoyed				nosey	.09
	angry	.22		wonder	.09
	mad	.13	delight		
	irritated	.11	C	happy	.35
	bothered	.09		joy	.15
	frustrated	.05		pleasure	.05
	upset	.05	delighted	production	.05
anxiety	арэсс	.03	delighted	happy	.65
anxiety	nervous	.22		pleased	.11
	anxious	.09			
				smile	.05
	attack	.09	depressed	•	
	stress	.09		sad	.56
	nervousness	.07		lonely	.11
	disorder	.05		happy	.05
	nerves	.05		upset	.05
anxious			disappointed		
	nervous	.35		sad	.27
	scared	.09		upset	.27
	anxiety	.05		happy	.07
	eager	.05		down	.05
	impatient	.05	discouraged	down	.05
apprehension	mpatient	.03	uiscouraged	anaaura aa d	12
apprenension	foor	11		encouraged	.13
	fear	.11		upset	.07
	nervous	.05		disappointed	.05
	understand	.05		encourage	.05
astonishment			disgusted		
	amazement	.25		gross	.11
	surprise	.24		repulsed	.09
	surprised	.18		angry	.05
	shock	.07		sick	.05
	amazed	.05	distress		
awful	umacyu	.05	disticss	upset	.11
awidi	terrible	.24		help	.09
	bad	.24			
				stress	.09
	horrible	.18		anxiety	.07
•	disgusting	.07		signal	.07
calm			eagerness		
		20			1.5
	relaxed water	.20 .11		willing anxious	.15 .07

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion Participar
	ready	.07		dead	.19
	ambition	.05		thanks	.09
	ambitious	.05		glad	.07
	excited	.05		happy	.07
	excitement	.05	grief		
	impatient	.05	J	sad	.25
	willingness	.05		death	.15
ecstasy	<b>U</b>			sorrow	.15
,	drug	.16		sadness	.11
	sex	.13		stricken	.05
	fantasy	.09	guilt	Strenen	.02
	pleasure	.09	gunt	innocence	.13
	happy	.07		remorse	.07
000151	парру	.07		innocent	.05
envy	igalona	4.4			.05
	jealous	.44		regret	
	green	.16	•	shame	.05
	jealousy	.13	happy		
	desire	.05		sad	.45
exasperation				smile	.18
	tired	.25		birthday	.09
	frustration	.09	hope		
	frustrated	.07	-	faith	.16
	breath	.05		glory	.13
	breathless	.05		pray	.09
	excited	.05		want	.09
	sigh	.05		joy	.07
excited	31611	.03		wish	.07
CACITO	happy	.49		future	.05
	anxious	.05	hopeful	ruture	.03
1-:14:	alixious	.03	порети		24
exhilaration		33		optimistic	.24
	excited	.22		wishful	.09
	excitement	.11		happy	.07
	joy	.05		wish	.07
	rush	.05	humiliation		
fear				embarrassed	.20
	scared	.24		embarrassment	.20
	afraid	.05		embarrass	.09
fright			hurt		
_	scared	.40		pain	.36
	fear	.11		cut	.05
	scare	.11	hysterical		
	night	.07	ny sterreur	crying	.15
frustrated	mem	.07		upset	.13
Hustrateu	anary	.20		laughing	.13
	angry				
	annoyed	.11		crazy	.09
	mad	.09		funny	.09
	sexually	.05	1 1100	laugh	.05
	stress	.05	indifferent		
	upset	.05		uncaring	.20
fulfilled				same	.11
	satisfied	.29	infatuated		
	complete	.13		obsessed	.31
	content	.11		love	.16
	happy	.09		lust	.07
	dreams	.05		crush	.05
furious		•		obsession	.05
	mad	.29	insecure		.00
	angry	.22	moccure	alone	.07
		.05		fear	
الم مام	upset	.03			.07
glad	1	5.0		unsafe	.07
	happy	.56		scared	.05
	sad	.13		unsure	.05
	mad	.07	interested		
1				like	.09
grateful	thankful	.27			.07

mulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion of Participants
	curious	.07		crazy	.07
	concerned	.05	optimism	<b></b> j	10,
irritation			•	pessimism	.33
	rash	.15		positive	.20
	annoyance	.07		hope	.11
	aggravation	.05		bright	.05
	annoy	.05		hopeful	.05
isolation	·		panic	•	
	alone	.58	•	attack	.24
	lonely	.11		scared	.15
jealousy	·			fear	.13
•	envy	.49		nervous	.05
	envious	.09		stress	.05
	green	.05		stricken	.05
joy				worry	.05
, ,	happy	.42	pity		
	happiness	.15	p)	sorrow	.20
	world	.05		sorry	.11
lonely				empathy	.09
	sad	.33		sad	.09
	alone	.18			.09
	depressed	.09		sympathy self	.05
love	ucpiesseu	.U7	pleasure	5011	.03
1046	hate	.25	pieasure	main	22
	heart	.23 .18		pain	.22
		.07		happy	.15
lunt	boyfriend	.07		sex	.13
lust		24	preoccupied	•	
	sex	.24		busy	.36
	love	.18		distracted	.09
	passion	.15		worried	.05
	desire	.13	pride		
	want	.09		joy	.15
_	body	.05		proud	.15
mad				honor	.07
	angry	.51		lion	.05
	sad	.09	rage		
	crazy	.07		anger	.51
	happy	.05	regret		
	upset	.05		remorse	.18
miserable				sorry	.18
	sad	.29		sad	.11
	upset	.13		sorrow	.11
	unhappy	.11	rejection		
	cry	.05	•	hurt	.07
	depressed	.07		sad	.07
moody	-			alone	.05
•	blues	.07		denial	.05
	cranky	.07		disappointment	.05
	sad	.05		failure	.05
	temperamental	.05		no	.05
neglect	p+	*- <del>-</del>	remorse	•••	.05
.0	ignore	.20	10HOISC	regret	.27
	child	.13		sorry	.16
	leave	.07		guilt	.13
	abuse	.07		sad	.13
	alone	.05		sau sorrow	.07
	hurt	.05			.07
nervouenese	Huit	.03	and	sadness	.03
nervousness	anviety	.15	sad	hammer	40
	anxiety			happy	.40
	scared	.11		unhappy	.11
	anxious	.07		cry	.07
.1	shaky	.05		frown	.05
obsessed		17	satisfaction		
	compulsive	.16		guaranteed	.25
	infatuated	.09		content	.24

Stimulus Word	Associations	Proportion of Participants	Stimulus Word	Associations	Proportion of Participants
	happy	.05		excited	.05
scared	парру	.03		shock	.05
scarcu	frightened	.22		startled	.05
	afraid	.13	thankful	Startieu	.03
		.09	mankiui	4-6-1	.53
	fear			grateful	
	cat	.05		appreciative	.05
	fright	.05		glad	.05
	stiff	.05	thrilled		
secure	_			excited	.40
	safe	.44		happy	.18
	insecure	.09		ecstatic	.09
sensitive				excitement	.05
	caring	.24	troubled		
	skin	.09		worried	.13
	emotional	.07		bothered	.09
	soft	.07		confused	.05
	teeth	.05	uncertain		
serious				unsure	.36
serious	joke	.09		confused	.05
	funny	.05		sure	.05
	important	.05	uncomfortable	Suic	.05
		.05	unconnortable	umanau.	.22
ala aura	thought	.03		uneasy	
shame		20		awkward	.07
	embarrassed	.20		comfortable	.05
	guilt	.20		nervous	.05
	embarrass	.09	_	shy	.05
	embarrassment	.07	unhappy		
shock				sad	.80
	electric	.18	upset		
	pain	.09		sad	.24
	electricity	.07		angry	.16
	treatment	.07		cry	.13
	scared	.05		stomach	.11
	surprise	.05		mad	.05
	therapy	.05		unhappy	.05
	wave	.05	worried		
skeptical				scared	.27
r	unsure	.16		nervous	.16
	doubtful	.07		concerned	.13
	doubt	.05	zealous	concerned	.1.
sorry	doubt	.05	Zealous	over	.09
sorry	apology	.15		ambitious	
	1 03				.05
	apologize	.13		energy	.05
	sad	.11		enthusiastic	.05
	forgive	.05		excited	.05
	regret	.05		happy	.05
surprised			zest		
	shocked	.31		soap	.49
	happy	.13		spice	.07
	party	.09		zeal	.05

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