idp.caltech.edu

Caltech - Cohort Study - Superuser - Registered students | Caltech Shibboleth Identity Provider

Caltech

Please Login with your access.caltech credentials:

Username: snowberg

Password: •••

Continue

Please contact the IMSS Help Desk at help@caltech.edu or x3500 for assistance.

You are requesting access to:

mort.ssel.caltech.edu

Caltech Cohort Study

Thank you for agreeing to participate in our survey. This is part of a broader research program aimed at understanding how Caltech affects our student body.

The survey will ask you a number of questions, many of which can earn you money. You will be rewarded for the quality of your decisions, so please pay close attention to each question, and do your best to answer as well as possible.

We estimate that this survey will take you 30 minutes, and will pay an average Of $20 upon completion. Of course, the actual amount you will earn will depend on your decisions. However, by completing the survey you will make at least $10, and possibly up to $30. Throughout the survey, payments are sometimes specified in terms of tokens. Each survey token is worth one cent (so that a 100 tokens are worth $1).

Continue

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Terms and Conditions

Caltech Cohort Study

Terms and Conditions

By checking the box below and proceeding, I acknowledge that my responses here will be kept completely private. I understand that the researchers wish to receive only anonymized data and have implemented computational and physical safeguards to mask my identity from themselves and any others. Data received from me will be de-identified and stored on an encrypted hard drive disconnected from the internet. In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA), I hereby permit the California Institute of Technology (University) to disclose other information collected through the admission process, including academic and financial aid information, pertaining to me. I understand this release of authorization remains in effect while I am a student at the University or until I revoke it in writing to the University administrators. I also understand that any information appended to the survey data will be collected using the same care to protect my identity. I realize that the researchers will know whether I have completed the survey, and may contact me about my experience. Any questions about the survey, its implementation, and privacy in this project may be directed to the researchers: Professor Erik Snowberg and Professor Leeat Yariv at CaltechCohortStudy@hss.caltech.edu

I agree to the terms and conditions: ☑

By checking the box below and proceeding, I certify under the Caltech honor code that the responses I provide in this survey are mine alone, and were not reached in consultation with anyone else.

These responses will be my own: ☑

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Please try to complete the survey in one sitting. In fact, **if you complete the survey within the next hour, we will pay you a $3 bonus** in addition your survey earnings.

If you are idle for more than 3 minutes, you will be automatically logged off, but can log back on. When you do, you'll be taken back to the same place in the survey.

Unfortunately, you cannot take this survey from a mobile device, it will only work with a computer.

Let's get started!

Continue

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

We will want to assess your reading comprehension by asking you to read passages and answer questions about them.

We start by with the following passage. For each question answered correctly, you will be paid 20 tokens.

Continue

Study Programming Possible Worlds Ltd.

Passage 0 - Unsinkable Ship

Naval architects never claim that a ship is unsinkable, but the sinking of the passenger-and-car ferry Estonia in the Baltic surely should have never have happened. It was well designed and carefully maintained. It carried the proper number of lifeboats. It had been thoroughly inspected the day of its fatal voyage. Yet hours later, the Estonia rolled over and sank in a cold, stormy night. It went down so quickly that most of those on board, caught in their dark, flooding cabins, had no chance to save themselves: Of those who managed to scramble overboard, only 139 survived. The rest died of hypothermia before the rescuers could pluck them from the cold sea. The final death toll amounted to 912 souls. However, there were an unpleasant number of questions about why the Estonia sank and why so many survivors were men in the prime of life, while most of the dead were women, children and the elderly.

1. One can understand from the reading that

- ○ the lifesaving equipment did not work well and lifeboats could not be lowered
- ◉ design faults and incompetent crew contributed to the sinking of the Estonia ferry
- ○ 139 people managed to leave the vessel but died in freezing water
- ○ naval architects claimed that the Estonia was unsinkable
- ○ most victims were trapped inside the boat as they were in their cabins

2. It is clear from the passage that the survivors of the accident

- ○ helped one another to overcome the tragedy that had affected them all
- ○ were mostly young men but women, children and the elderly stood little chance
- ◉ helped save hundreds of lives
- ○ are still suffering from severe post-traumatic stress disorder
- ○ told the investigators nothing about the accident

3. According to the passage, when the Estonia sank

- ○ there were only 139 passengers on board
- ◉ few of the passengers were asleep
- ○ there were enough lifeboats for the number of people on board
- ○ faster reaction by the crew could have increased the Estonia's chances of survival
- ○ all the passengers had already moved out into the open decks

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Reading Comprehension

Caltech Cohort Study

We will want to assess your reading comprehension with five additional passages.

Studies suggest that respondents tend to not complete a survey when they are prompted to read text. Therefore, we will divide the five passages into two points later in the survey:

- **Phase 1:** Approximately mid-way through the survey; and
- **Phase 2:** At the end of the survey.

How many of the passages would you like to go through in each phase? Please specify to integers summing up to **five (5).**

Phase 1: 3

Phase 2: 2

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - risky project

Caltech Cohort Study

You are endowed with 200 tokens (or $2) that you can choose to keep or invest in a risky project. Tokens that are not invested in the risky project are yours to keep.

The risky project has a 40% chance of success.

- If the project is successful, you will receive 3 times the amount you chose to invest.
- If the project is unsuccessful, you will lose the amount invested.

Please choose how many tokens you want to invest in the risky project. Note that you can pick any number between 0 and 200, including 0 or 200:

95

You will learn your payoff in this section at the end of the survey.

Submit

Caltech Cohort Study

In the next task we will ask you to assess the value of several gambles. The gambles will be designed using virtual urns filled with red and black balls. We will give you some information on the composition of each urn.

We'll let you pick which color ball you would like to pay off for each gamble. If you choose a gamble on an urn, we will draw one ball from it. If that ball is the color you chose, you will receive a reward. If it is the other color, you will receive nothing.

The mechanism for selecting the gamble may take some getting used to. We will provide you with a list of rewards from 0 tokens to 150 tokens in increments of 5 tokens, and for each one, we ask that you think whether you prefer that amount, or taking the urn gamble. Once you click on an option, we'll fill in the rest of the choices for you so that they make sense (this will save you time!).

However, you should keep clicking on options that you prefer until the choice in each line is what you would like. You should do so because in the end of the survey, we will randomly select one row from the list, and you will get whatever you chose on that line. If you specified you prefer a sure amount on that line, you'll get that amount. If you specified that you preferred the gamble, then we will draw a ball from the urn, and pay you according to the description above.

Continue

Caltech Cohort Study

The following choice will involve an urn containing 20 red and black balls. We will first randomly determine a number between 0 and 20 (all equally likely). That number will be the number of red balls, the rest of the 20 balls (if any) will be black.

Which color would you prefer to be paid 100 tokens for (if it is drawn from the urn in the following questions)? Note that this means you will be paid 0 tokens if the other color is drawn.

- ○ red
- ◉ black

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Urn with Uncertain Number of Red and Black Balls

The urn from which we can draw a ball is randomly determined. We will first randomly determine a number between 0 and 20 (all equally likely). That number will be the number of red balls, the rest of the 20 balls (if any) will be black.

The urn gamble pays 100 tokens if the ball drawn is black.

For each row below, think about whether you prefer the urn gamble, or the sure amount on the right. If you prefer some sure amount to the urn gamble, then we will assume that you prefer any amount greater than that to the gamble as well, and fill in the other options accordingly.

However, this automatic filling will often be premature. Therefore, you should keep clicking on options you prefer until the choice in each row indicates exactly what you would prefer. This is important, because when you submit your preferences, we will pick one row at random and pay you accordingly. If you selected the sure amount in that row, we will pay you that amount. If you selected the urn gamble in that row, we will draw a ball from the urn, and pay you accordingly.

What would you rather receive (make sure a radio button in each row is selected)?

(●) Urn Gamble	( ) 0 tokens
(●) Urn Gamble	( ) 10 tokens
(●) Urn Gamble	( ) 20 tokens
(●) Urn Gamble	( ) 30 tokens
(●) Urn Gamble	( ) 40 tokens
( ) Urn Gamble	(●) 50 tokens
( ) Urn Gamble	(●) 60 tokens
( ) Urn Gamble	(●) 70 tokens
( ) Urn Gamble	(●) 80 tokens
( ) Urn Gamble	(●) 90 tokens
( ) Urn Gamble	(●) 100 tokens

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Gambles task

Caltech Cohort Study

The following choice will involve an urn containing 30 red and black balls. We will first randomly determine a number between 0 and 30 (all equally likely). That number will be the number of red balls, the rest of the 30 balls (if any) will be black.

Which color would you prefer to be paid 150 tokens for (if it is drawn from the urn in the following questions)? Note that this means you will be paid 0 tokens if the other color is drawn.

- (●) red
- ( ) black

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Urn with Uncertain Number of Red and Black Balls

The urn from which we can draw a ball is randomly determined. We will first randomly determine a number between 0 and 30 (all equally likely). That number will be the number of red balls, the rest of the 30 balls (if any) will be black.

The urn gamble pays 150 tokens if the ball drawn is red.

For each row below, think about whether you prefer the urn gamble, or the sure amount on the right. If you prefer some sure amount to the urn gamble, then we will assume that you prefer any amount greater than that to the gamble as well, and fill in the other options accordingly.

However, this automatic filling will often be premature. Therefore, you should keep clicking on options you prefer until the choice in each row indicates exactly what you would prefer. This is important, because when you submit your preferences, we will pick one row at random and pay you accordingly. If you selected the sure amount in that row, we will pay you that amount. If you selected the urn gamble in that row, we will draw a ball from the urn, and pay you accordingly.

What would you rather receive (make sure a radio button in each row is selected)?

(●) Urn Gamble	( ) 0 tokens
(●) Urn Gamble	( ) 10 tokens
(●) Urn Gamble	( ) 20 tokens
(●) Urn Gamble	( ) 30 tokens
(●) Urn Gamble	( ) 40 tokens
(●) Urn Gamble	( ) 50 tokens
( ) Urn Gamble	(●) 60 tokens
( ) Urn Gamble	(●) 70 tokens
( ) Urn Gamble	(●) 80 tokens
( ) Urn Gamble	(●) 90 tokens
( ) Urn Gamble	(●) 100 tokens
( ) Urn Gamble	(●) 110 tokens
( ) Urn Gamble	(●) 120 tokens
( ) Urn Gamble	(●) 130 tokens
( ) Urn Gamble	(●) 140 tokens
( ) Urn Gamble	(●) 150 tokens

Submit

Caltech Cohort Study

You now have 300 tokens (or $3) to be divided between you and another, randomly chosen, survey participant.

All other survey participants will be given the same choice: that is, they will be given 300 tokens between themselves and another participant.

Your payoff from this section will be how much you allocate to yourself, plus how much is allocated to you by another randomly chosen participant. Note that the participant that receives money from you and the participant that you receive money from will be different, and both will be chosen randomly.

Amount for you: 195 Amount for recipient: 105

Please enter amounts between 0 and 300, summing up to 300.

(Amounts entered should be numbers between 0 and 300.)

Submit

Caltech Cohort Study

This next task asks you to solve some logical puzzles. You will be given three minutes to complete as many of these puzzles as possible, and will be paid 30 tokens per puzzle completed.

Solving these puzzles may take quite a while for most people. You will be given at most 10 puzzles to make sure that the payoff for guessing is almost certainly lower than the payoff for taking your time and trying to answer as many as you can.

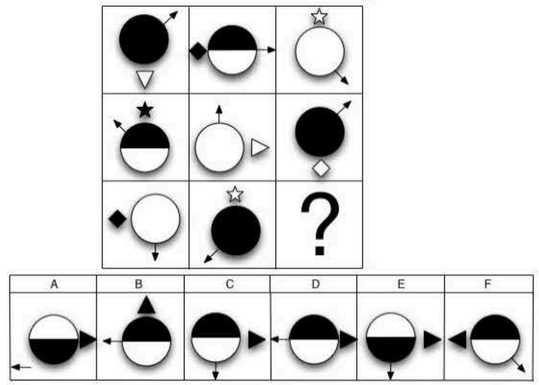
Please stay on the screen throughout the task as we will not be able to pay you otherwise.

Press Here to Start

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Please indicate which is the best answer to complete the figure below.



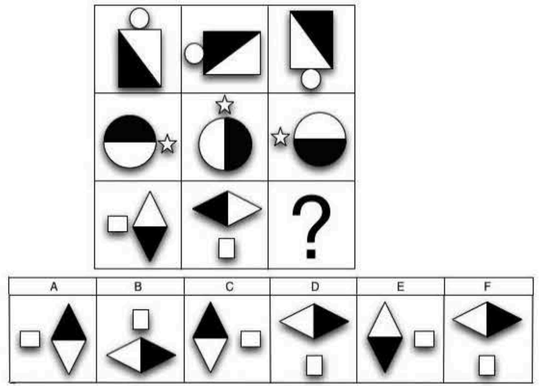
○A ○B ○C ○D ○E ○F

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Please indicate which is the best answer to complete the figure below.



○A ○B ○C ○D ◉E ○F

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Puzzles

Caltech Cohort Study

You successfully completed **2** puzzles. You now have the option to either take your 60 tokens or enter your score into a competition for the possibility of a greater payoff. Note that if you choose to enter your score into a competition, it will be compared with the score of other, randomly selected, undergraduates, and you will only get paid if your score is at least as high as all other undergraduates' in that group. If you and k others in your comparison group achieve the same highest score, you will get 1/(k+1) of the tournament's prize (for example, if you enter a 3-person tournament, and you and one other participant in your comparison group receive the highest score, you will receive 180/2=90 tokens).

- ○ Take 60 tokens.
- ○ Enter your score in a tournament with 1 other randomly selected undergraduate. If you win you will get 2 times your tokens for a total of 120 tokens.
- ● Enter your score in a tournament with 2 other randomly selected undergraduates. If you win you will get 3 times your tokens for a total of 180 tokens.
- ○ Enter your score in a tournament with 3 other randomly selected undergraduates. If you win you will get 4 times your tokens for a total of 240 tokens.
- ○ Enter your score in a tournament with 5 other randomly selected undergraduates. If you win you will get 6 times your tokens for a total of 360 tokens.

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Puzzles

Caltech Cohort Study

You now have the option of seeing how you compared with other undergraduates who performed the same task. It will, unfortunately, take about 30 seconds for the computer to process your rank, so we leave the choice of whether or not to observe your percentile rank up to you. Would you like to see your rank?

- (●) Yes, I'd like to see my percentile rank (Note: it will take 30 seconds to process).
- ( ) No, I'd just like to continue with the survey.

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Puzzle

Caltech Cohort Study

Please wait while we calculate your rank .....

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Puzzle

Caltech Cohort Study

Based on a sample of 227 Caltech undergraduates, you rank in the 61 percentile (that is, 61% are below you, and 39% are above you).

Continue

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - flip coin

Caltech Cohort Study

Please grab a coin that has both a "heads" and a "tails" side. We would like you to flip this coin five (5) times. We will pay you 30 tokens for every "heads" you get.

Please flip the coin five (5) times now, and keep track of how many times it came up heads.

How many times did it come up heads?

3

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - question 5

Caltech Cohort Study

What is your height? 6 feet 0 inches

What is your weight in pounds? 195 lbs

Do you wear glasses, contacts, or not need vision correction? If you wear both glasses and contacts, please select the option that you wear most often.

- (●) Glasses
- ( ) Contacts
- ( ) No visual correction needed

Over the past month, how many hours a week would you estimate you have exercised?
10 hours

Over the past month, how many hours a week would you estimate you have spent playing video games?
0 hours

Over the past month, how many hours a week would you estimate you have spent on all other forms of electronic entertainment, including the internet, movies and TV?
1 hours

Over the past year, how many colds would you estimate you have had?
3 colds

Over the past year, how many days of school would you estimate you have missed due to illness?
2 days

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - select gamble

Caltech Cohort Study

Which of the following gambles would you prefer?

Each of the gambles will give you a 50% chance of the Low Payoff, and a 50% chance of the High Payoff. The gamble you chose will be run at the end of the survey, and we will tell you your payoff then.

	Low Payoff	High Payoff
○ Gamble 1:	140	140
○ Gamble 2:	120	180
○ Gamble 3:	100	220
◉ Gamble 4:	80	260
○ Gamble 5:	60	300
○ Gamble 6:	10	350

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - question 6

Caltech Cohort Study

We'd like to know where you think you will rank, in your class, in GPA, for the upcoming year. That is, where do your think, in percentile terms, your GPA for only classes you will take this year will compare with the GPAs of your classmates?

Enter an integer number between 1 and 99, where 99 means you think you'll be in the *top percentile*, and 1 means you think you'll be in the *bottom 1 percent*:

35

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

We will now measure your ability to assess numbers quickly.

We will show you three pictures of jars of jellybeans. Please give us your best guess as to the number of jellybeans in each jar.

See Pictures

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Jellybean

Caltech Cohort Study

Please enter the number of jellybeans you think are in this jar (between 1 and 3000).

48

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Jellybean

Caltech Cohort Study

How confident are you of your answer to this question?

- ○ Not confident at all
- ○ Not very confident
- ○ Somewhat unconfident
- ○ Somewhat confident
- ◉ Very confident
- ○ Certain

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Jellybean

Caltech Cohort Study

Please enter the number of jellybeans you think are in this jar (between 1 and 3000).

100

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Jellybean

Caltech Cohort Study

How confident are you of your answer to this question?

- ○ Not confident at all
- ○ Not very confident
- ○ Somewhat unconfident
- ◉ Somewhat confident
- ○ Very confident
- ○ Certain

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Jellybean

Caltech Cohort Study

Please enter the number of jellybeans you think are in this jar (between 1 and 3000).

125

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

The next choice will involve an urn containing 20 balls, each of which could be red or black. Dean Dabiri has chosen the exact composition of the urn: the balls could all be red, they could all be black, or there could be any combination of red and black balls.

Which color would you prefer to be paid 100 tokens for (if it is drawn from the urn in the following questions)? Note that this means you will be paid 0 tokens if the other color is drawn.

- (●) red
- ( ) black

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Gambles task

Caltech Cohort Study

Urn with Unknown Number of Red and Black Balls

The urn from which we can draw a ball is composed of 20 red and black balls.

The urn gamble pays 100 tokens if the ball drawn is red.

For each row below, think about whether you prefer the urn gamble, or the sure amount on the right. If you prefer some sure amount to the urn gamble, then we will assume that you prefer any amount greater than that to the gamble as well, and fill in the other options accordingly.

However, this automatic filling will often be premature. Therefore, you should keep clicking on options you prefer until the choice in each row indicates exactly what you would prefer. This is important, because when you submit your preferences, we will pick one row at random and pay you accordingly. If you selected the sure amount in that row, we will pay you that amount. If you selected the urn gamble in that row, we will draw a ball from the urn, and pay you accordingly.

What would you rather receive (make sure a radio button in each row is selected)?

(●) Urn Gamble	( ) 0 tokens
(●) Urn Gamble	( ) 10 tokens
(●) Urn Gamble	( ) 20 tokens
( ) Urn Gamble	(●) 30 tokens
( ) Urn Gamble	(●) 40 tokens
( ) Urn Gamble	(●) 50 tokens
( ) Urn Gamble	(●) 60 tokens
( ) Urn Gamble	(●) 70 tokens
( ) Urn Gamble	(●) 80 tokens
( ) Urn Gamble	(●) 90 tokens
( ) Urn Gamble	(●) 100 tokens

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

The next choice will involve an urn containing 30 balls, each of which could be red or black. Dean Dabiri has chosen the exact composition of the urn: the balls could all be red, they could all be black, or there could be any combination of red and black balls.

Which color would you prefer to be paid 150 tokens for (if it is drawn from the urn in the following questions)? Note that this means you will be paid 0 tokens if the other color is drawn.

- (●) red
- ( ) black

Submit

Study Programming Possible Worlds Ltd.

mort.ssel.caltech.edu

Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Gambles task

Caltech Cohort Study

Urn with Unknown Number of Red and Black Balls

The urn from which we can draw a ball is composed of 30 red and black balls.

The urn gamble pays 150 tokens if the ball drawn is red.

For each row below, think about whether you prefer the urn gamble, or the sure amount on the right. If you prefer some sure amount to the urn gamble, then we will assume that you prefer any amount greater than that to the gamble as well, and fill in the other options accordingly.

However, this automatic filling will often be premature. Therefore, you should keep clicking on options you prefer until the choice in each row indicates exactly what you would prefer. This is important, because when you submit your preferences, we will pick one row at random and pay you accordingly. If you selected the sure amount in that row, we will pay you that amount. If you selected the urn gamble in that row, we will draw a ball from the urn, and pay you accordingly.

What would you rather receive (make sure a radio button in each row is selected)?

(•) Urn Gamble	( ) 0 tokens
(•) Urn Gamble	( ) 10 tokens
(•) Urn Gamble	( ) 20 tokens
(•) Urn Gamble	( ) 30 tokens
(•) Urn Gamble	( ) 40 tokens
(•) Urn Gamble	( ) 50 tokens
( ) Urn Gamble	(•) 60 tokens
( ) Urn Gamble	(•) 70 tokens
( ) Urn Gamble	(•) 80 tokens
( ) Urn Gamble	(•) 90 tokens
( ) Urn Gamble	(•) 100 tokens
( ) Urn Gamble	(•) 110 tokens
( ) Urn Gamble	(•) 120 tokens
( ) Urn Gamble	(•) 130 tokens
( ) Urn Gamble	(•) 140 tokens
( ) Urn Gamble	(•) 150 tokens

Submit

Study Programming Possible Worlds Ltd.

mort.ssel.caltech.edu

Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - another risky project

Caltech Cohort Study

You can invest in another risky project if you would like. You can invest up to 200 tokens, or you can choose to keep them.

The risky project has a 50% chance of success.

- If the project is successful, you will receive 2.5 times the amount you chose to invest.
- If the project is unsuccessful, you will lose the amount invested.

In a sample of 80 other undergraduates, the average investment in the risky project was 140 tokens.

Please choose how many tokens you want to invest in the risky project. Note that you can pick any number between 0 and 200, including 0 or 200:

130

You will learn your payoff in this section at the end of the survey.

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - more survey questions

Caltech Cohort Study

How frequently do you attend review sessions?
Please tick a box on the scale, where the value 0 means: 'I never attend review sessions' and the value 10 means: 'I never miss a review session'

○0 ○1 ●2 ○3 ○4 ○5 ○6 ○7 ○8 ○9 ○10

Suppose you are deciding between two electives, one of which is easy, but not very interesting to you, and another which is interesting to you, but is known to be difficult. Which one would you chose?

○Easy but less interesting
●Difficult but more interesting

When you study for an exam, how frequently do you decide not to prepare for some fraction of the material in order to have more time to focus on the rest of the material?

○I rarely skip any part of the material
○On occasion, I skip some material I believe will not appear on an exam
○I frequently skip some material I believe will not appear on an exam
●I almost always skip some material when I prepare for an exam

---

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - more survey questions

Caltech Cohort Study

How do you see yourself: are you generally a person who is fully prepared to take risks or do you try to avoid taking risks?
Please tick a box on the scale, where the value 0 means: 'not at all willing to take risks' and the value 10 means: 'very willing to take risks'

○0 ○1 ○2 ○3 ○4 ○5 ○6 ○7 ◉8 ○9 ○10

On average, how many hours of sleep do you get a night when school is in session?
9 Hours

Before an exam, do you go to sleep at your usual time or when you feel like your preparation work is done?

○I go to sleep at my usual time
◉I go to sleep when my work is done

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Reading Comprehension - phase 1

Caltech Cohort Study

As you recall, we will be asking you to read five passages as part of a reading comprehension assessment. You have now reached phase 1 of this task.

You specified you would like to respond to **3** passages in phase 1. However, if you want to change this allocation, you can do so now, before you begin the first set of readings.

How many of the passages would you like to go through in each phase? Please specify to integers summing up to **five (5).**

Phase 1: 0

Phase 2: 5

Submit

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You will be presented with a set of words or images to classify into groups using the 'e' and 'i' keys on the keyboard. Classify the items as quickly as you can while making as few mistakes as possible. When the item presented matches the category on the left, press 'e', when it matches the category on the right, press 'i'.

For each correct classification you will earn 1 token, for a possible 280 in all. Don't worry, each classification is very easy, and the average time it takes to classify all 280 is around 5 minutes.

Note that if your initial response is incorrect, you will still have to press the correct key to keep going. However, you will only earn 1 token if your answer was *correct initially!*

Please keep in mind:

- Two labels at the top will tell you which words or images go with each key.
- Keep your index fingers on the 'e' and 'i' keys to enable rapid responses.
- Please try to go as fast as possible, while still getting the maximum number correct. You will likely make a couple of mistakes, this is okay.
- If your first response is incorrect, you will have to hit the correct key in order to keep going.

Continue

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Caltech Cohort Study

To reiterate, when the item presented matches the category on the left, press 'e', when it matches the category on the right, press 'i'. If you get an answer wrong, you will have to press the correct key afterwards to keep going. You will only earn 1 token for each *initially correct* answer.

To make sure this is clear:

- Suppose the category on the left is Male and the category on the right is Female. If the item presented is the name "Jessica", which key will you press? ○ 'e' ◉ 'i'

- Suppose the category on the left is Science and the category on the right is Liberal Arts. If the item presented is "Physics", which key will you press? ◉ 'e' ○ 'i'

I am ready to begin

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Caltech Cohort Study

European American **African American**

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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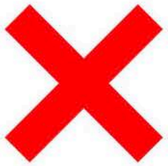
Caltech Cohort Study

European American **African American**



Keep your index fingers on the 'e' and 'i' keys

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - IAT

Caltech Cohort Study

Positive Word **Negative Word**

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Positive Word

Negative Word

Brilliant

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Positive Word **Negative Word**

Awful

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

European American
Positive Word

African American
Negative Word

Press Space Bar to Begin

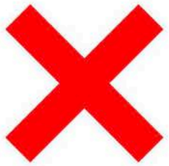
Keep your index fingers on the 'e' and 'i' keys

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

European American
Positive Word

African American
Negative Word



Love

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

African American **European American**

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

African American **European American**

Keep your index fingers on the 'e' and 'i' keys

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

African American
Positive Word

European American
Negative Word

Press Space Bar to Begin

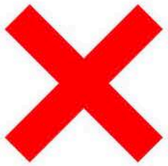
Keep your index fingers on the 'e' and 'i' keys

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

African American
Positive Word

European American
Negative Word



Bad

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Female **Male**

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Female **Male**

Father

Keep your index fingers on the 'e' and 'i' keys

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - IAT

Caltech Cohort Study

Science **Liberal Arts**

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Science **Liberal Arts**

Music

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Female
Science

Male
Liberal Arts

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Female
Science

Male
Liberal Arts

Son

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Female
Science

Male
Liberal Arts

English

Keep your index fingers on the 'e' and 'i' keys

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Male **Female**

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Male **Female**

Husband

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Male
Science

Female
Liberal Arts

Press Space Bar to Begin

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

Male
Science

Female
Liberal Arts

Physics

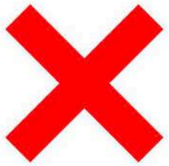
Keep your index fingers on the 'e' and 'i' keys

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Male
Science

Female
Liberal Arts



Uncle

Keep your index fingers on the 'e' and 'i' keys

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Caltech Cohort Study

In this task, we ask that you pick a number between 0 and 100. When all surveys are submitted, we will randomly group you with 9 other people (so you will be in a group of 10) and the participant who picks a number closest to two thirds of the average of the corresponding 10 numbers picked will win $5 (if you tie with one other person, you'll get $2.50, if you tie with two other people you'll get $1.67, and so on...).

Please pick a number between 0 and 100. You may choose 0 or 100 if you wish:

20

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - question 10

Caltech Cohort Study

Please imagine a ladder, with steps numbered from 0 at the bottom to 10 at the top. The top of the ladder represents the best possible life for you and the bottom of the ladder represents the worst possible life for you. On which step of the ladder would you say you personally feel you stand at this time?

7

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Please imagine a ladder, with steps numbered from 0 at the bottom to 10 at the top. The top of the ladder represents the best possible life for you and the bottom of the ladder represents the worst possible life for you. Just your best guess, on which step do you think you will stand *in the future, say about five years from now?*

9

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Gambles task

Caltech Cohort Study

Urn with Equal Number of Red and Black Balls

The urn from which we can draw a ball is composed of 10 red balls and 10 black balls.

The urn gamble pays 100 tokens if the ball drawn is black.

For each row below, think about whether you prefer the urn gamble, or the sure amount on the right. If you prefer some sure amount to the urn gamble, then we will assume that you prefer any amount greater than that to the gamble as well, and fill in the other options accordingly.

However, this automatic filling will often be premature. Therefore, you should keep clicking on options you prefer until the choice in each row indicates exactly what you would prefer. This is important, because when you submit your preferences, we will pick one row at random and pay you accordingly. If you selected the sure amount in that row, we will pay you that amount. If you selected the urn gamble in that row, we will draw a ball from the urn, and pay you accordingly.

What would you rather receive (make sure a radio button in each row is selected)?

(●) Urn Gamble	( ) 0 tokens
(●) Urn Gamble	( ) 10 tokens
(●) Urn Gamble	( ) 20 tokens
(●) Urn Gamble	( ) 30 tokens
(●) Urn Gamble	( ) 40 tokens
( ) Urn Gamble	(●) 50 tokens
( ) Urn Gamble	(●) 60 tokens
( ) Urn Gamble	(●) 70 tokens
( ) Urn Gamble	(●) 80 tokens
( ) Urn Gamble	(●) 90 tokens
( ) Urn Gamble	(●) 100 tokens

Submit

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Caltech Cohort Study

The following choice will involve an urn containing 30 balls, 15 of which are red and 15 of which are black.

Which color would you prefer to be paid 150 tokens for (if it is drawn from the urn in the following questions)? Note that this means you will be paid 0 tokens if the other color is drawn.

- ○ red
- ◉ black

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Urn with Equal Number of Red and Black Balls

The urn from which we can draw a ball is composed of 15 red balls and 15 black balls.

The urn gamble pays 150 tokens if the ball drawn is black.

For each row below, think about whether you prefer the urn gamble, or the sure amount on the right. If you prefer some sure amount to the urn gamble, then we will assume that you prefer any amount greater than that to the gamble as well, and fill in the other options accordingly.

However, this automatic filling will often be premature. Therefore, you should keep clicking on options you prefer until the choice in each row indicates exactly what you would prefer. This is important, because when you submit your preferences, we will pick one row at random and pay you accordingly. If you selected the sure amount in that row, we will pay you that amount. If you selected the urn gamble in that row, we will draw a ball from the urn, and pay you accordingly.

What would you rather receive (make sure a radio button in each row is selected)?

(•) Urn Gamble	( ) 0 tokens
(•) Urn Gamble	( ) 10 tokens
(•) Urn Gamble	( ) 20 tokens
(•) Urn Gamble	( ) 30 tokens
(•) Urn Gamble	( ) 40 tokens
(•) Urn Gamble	( ) 50 tokens
(•) Urn Gamble	( ) 60 tokens
( ) Urn Gamble	(•) 70 tokens
( ) Urn Gamble	(•) 80 tokens
( ) Urn Gamble	(•) 90 tokens
( ) Urn Gamble	(•) 100 tokens
( ) Urn Gamble	(•) 110 tokens
( ) Urn Gamble	(•) 120 tokens
( ) Urn Gamble	(•) 130 tokens
( ) Urn Gamble	(•) 140 tokens
( ) Urn Gamble	(•) 150 tokens

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Friends

Caltech Cohort Study

Here, we'd like you to tell us which other Caltech students you socialize and study with. Please keep in mind that all names specified on this survey are automatically converted into anonymized numerical IDs, so that there is no way for anyone to observe what you fill out here.

Please name the five (5) other Caltech students you socialize with the most, and tell us the average number of hours you spend with each of these friends on a weekly basis (a number between 0 and 100, with up to one decimal point). If you spend time will less than five other students on a weekly basis, it is fine to leave the last few lines blank.

Friend 1: Aver

Avery Marshall

Elizabeth Beaver

Average nu spend together per week:

Friend 2:

Average nu spend together per week:

Friend 3:

Average number of hours you spend together per week:

Friend 4:

Average number of hours you spend together per week:

Friend 5:

Average number of hours you spend together per week:

On average, how many hours a week do you spend socializing with friends?

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Friends

Caltech Cohort Study

Here, we'd like you to tell us which other Caltech students you socialize and study with. Please keep in mind that all names specified on this survey are automatically converted into anonymized numerical IDs, so that there is no way for anyone to observe what you fill out here.

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Friend 1: Elizabeth Beaver
Average number of hours you spend together per week: 2
Friend 2: Avery Marshall
Average number of hours you spend together per week: 3
Friend 3: Alexander Hartz
Average number of hours you spend together per week: 2
Friend 4:
Average number of hours you spend together per week:
Friend 5:
Average number of hours you spend together per week:

On average, how many hours a week do you spend socializing with friends?

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Friends

Caltech Cohort Study

Here, we'd like you to tell us which other Caltech students you socialize and study with. Please keep in mind that all names specified on this survey are automatically converted into anonymized numerical IDs, so that there is no way for anyone to observe what you fill out here.

Please name the five (5) other Caltech students you socialize with the most, and tell us the average number of hours you spend with each of these friends on a weekly basis (a number between 0 and 100, with up to one decimal point). If you spend time will less than five other students on a weekly basis, it is fine to leave the last few lines blank.

Friend 1: Elizabeth Beaver
Average number of hours you spend together per week: 2
Friend 2: Avery Marshall
Average number of hours you spend together per week: 3
Friend 3: Alexander Hartz
Average number of hours you spend together per week: 2
Friend 4:
Average number of hours you spend together per week:
Friend 5:
Average number of hours you spend together per week:

On average, how many hours a week do you spend socializing with friends? 20

Submit

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Friends

Caltech Cohort Study

Please name the five (5) other Caltech students you study with the most. If you study with less than five other students on a weekly basis, it is fine to leave the last few lines blank.

Study Partner 1: Jacob Shenker
Study Partner 2: Lisa Beckmann
Study Partner 3: Erin Evans
Study Partner 4: Suraj Mirpuri
Study Partner 5:

Submit

Study Programming Possible Worlds Ltd.

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Caltech - Cohort Study - Superuser - Registered students | Caltech - Cohort Study - Friends

Caltech Cohort Study

Please name the five (5) other Caltech students you study with the most. If you study with less than five other students on a weekly basis, it is fine to leave the last few lines blank.

Study Partner 1: Jacob Shenker
Study Partner 2: Lisa Beckmann
Study Partner 3: Erin Evans
Study Partner 4: Suraj Mirpuri
Study Partner 5:

Submit

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

This is phase 2 of the reading comprehension task. You will be asked to go through 5 passages, each followed by 3 questions. For each question answered correctly, you will be paid 20 tokens.

This is the last part of the survey. When you are finished with this you will be done, and learn your payment for all parts of the survey.

I am ready to begin

Study Programming Possible Worlds Ltd.

Caltech Cohort Study

Passage 1 - Dolphins
Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realize that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the community, as we do. Some scientists have suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of these mammals be more intelligent than man? Certainly the most common argument in favor of man's superiority over them that we can kill them more easily than they can kill us is the least satisfactory. On the contrary, the more we discover about these remarkable creatures, the less we appear superior when we destroy them.

1. It is clear from the passage that dolphins

- ○ don't want to be with us as much as we want to be with them
- ◉ are proven to be less intelligent than once thought
- ○ have a reputation for being friendly to humans
- ○ are the most powerful creatures that live in the oceans
- ○ are capable of learning a language and communicating with humans

2. The fact that the writer of the passage thinks that we can kill dolphins more easily than they can kill us

- ○ means that they are better adapted to their environment than we are
- ○ shows that dolphins have a very sophisticated form of communication
- ◉ proves that dolphins are not the most intelligent species at sea
- ○ does not mean that we are superior to them
- ○ proves that Dolphins have linguistic skills far beyond what we previously thought

3. One can infer from the reading that

- ○ dolphins are quite abundant in some areas of the world
- ○ communication is the most fascinating aspect of dolphins
- ○ dolphins have skills that no other living creatures have such as the ability to think
- ◉ it is not usual for dolphins to communicate with each other
- ○ dolphins have some social traits that are similar to those of humans

Submit

Passage 2 - Tyrannosaurus Rex

Among predatory dinosaurs, few flesh-eaters were bigger, faster and nastier than the "tyrant lizard" of popular imagination, the Tyrannosaurus Rex. At least, that is what we have been led to believe. Now research suggests that, far from being the Ferrari of dinosaurs, Tyrannosaurus Rex was in fact a cumbersome creature with a usual running speed of twenty-five kilometers an hour. This is a mere snail's pace compared with modern animals such as the cheetah.

The findings were reached after researchers used computer modeling and biomechanical calculations to work out the dinosaur's speed, agility and weight. They based their calculations on measurements taken from a fossil dinosaur representative of an average Tyrannosaurus and concluded the creatures probably weighed between six and eight tons. Calculations of the leg muscles suggest that the animal would have had a top speed of forty kilometers an hour, which is nothing compared to a cheetah's one hundred kilometers an hour. It is sobering to reflect, though, that an Olympic sprinter runs at about thirty-five kilometers an hour, not sufficient to outrun a Tyrannosaurus, should Man have been around at that time!

1. Being known as the 'Ferrari of dinosaurs' means Tyrannosaurus Rex:

- ○ wore shoes
- ○ was a quick and agile creature
- ◉ 1was a hunting machine
- ○ was the most ferocious of dinosaurs
- ○ None of these

2. In calculating the size, speed and agility of Tyrannosaurus Rex, scientists used:

- ○ examination of fossils
- ○ biomechanical calculations and computer models
- ◉ comparisons with modern animals
- ○ A and B together
- ○ B and C together

3. The overall theme of the passage is:

- ○ Because it was cumbersome, Tyrannosaurus Rex was lucky to survive
- ○ Tyrannosaurus Rex's speed and agility were still superior to those of other dinosaurs
- ○ Tyrannosaurus Rex's fierce reputation is now laid to rest
- ○ Compared to modern predatory animals, Tyrannosaurus Rex was slow and cumbersome
- ◉ None of these

Submit

Passage 3 - What the Dog Saw

A dog cares, deeply, which way your body is leaning. Forward or backward? Forward can be seen as aggressive; backward-even a quarter of an inch-means nonthreatening. It means you've relinquished what ethologists call an "intention movement" to proceed forward. Cock your head, even slightly, to the side, and a dog is disarmed. Look at him straight on and he'll read it like a red flag. Standing straight, with your shoulders squared rather than slumped, can mean the difference between whether your dog obeys a command or ignores it. Breathing evenly and deeply, rather than holding your breath, can mean the difference between diffusing a tense situation and igniting it. "I think they are looking at our eyes and where our eyes are looking, and what our eyes look like," the ethologist Patricia McConnell, who teaches at the University of Wisconsin, Madison, says. "A rounded eye with a dilated pupil is a sign of high arousal and aggression in a dog. I believe they pay a tremendous amount of attention to how relaxed our face is and how relaxed our facial muscles are, because that's a big cue for them with each other. Is the jaw relaxed? Is the mouth slightly open? And then the arms. They pay a tremendous amount of attention to where our arms go."

1. Based on the context of the passage, which best describes what an "ethologist" studies?

- ○ Muscle and nerve reflexes of humans and animals
- ○ Nonverbal forms of communication between species
- ○ Animal behavior, particularly as it occurs in interactions between species in different environments
- ○ Canine anatomy
- ◉ Character traits among different animal breeds

2. It can be inferred from the passage that

- ◉ Dogs are generally indifferent to minor movement shifts in humans
- ○ Dogs are more sensitive to physical cues from arms and legs than from eyes and mouths
- ○ Dogs are highly sensitive to nuances in human movement
- ○ "Intention movements" cannot be retracted once they have been initiated
- ○ Minor movements or changes in posture and expression have no impact on a tense situation between human and dog once it has begun

3. According to the passage, the following human behaviors could all be perceived by a dog as potentially aggressive or dominant EXCEPT:

- ○ Leaning forward
- ◉ Even breathing pattern
- ○ Unrelaxed facial muscles
- ○ Direct eye contact
- ○ Standing straight with unrounded shoulder

Submit

Caltech Cohort Study

Passage 4 - Erosion in America
Erosion of America's farmland by wind and water has been a problem since settlers first put the prairies and grasslands under the plow in the nineteenth century. By the 1930s, more than 282 million acres of farmland were damaged by erosion. After 40 years of conservation efforts, soil erosion has accelerated due to new demands placed on the land by heavy crop production. In the years ahead, soil erosion and the pollution problems it causes are likely to replace petroleum scarcity as the nation's most critical natural resource problem.

1. As we understand from the reading, today, soil erosion in America

- ○ causes humans to place new demands on the land
- ○ is worse than it was in the nineteenth century
- ○ happens so slowly that it is hardly noticed
- ◉ is the most critical problem that the nation faces
- ○ is worse in areas which have a lot of petroleum production

2. The author points out in the passage that erosion in America

- ○ has damaged 282 million acres ever since settlers first put the prairies and grasslands under the plow
- ◉ has been so severe that it has forced people to abandon their settlements
- ○ occurs only in areas with no vegetation
- ○ can become a more serious problem in the future
- ○ was on the decline before 1930s

3. It is pointed out in the reading that in America

- ○ petroleum is causing heavy soil erosion and pollution problems
- ○ heavy crop production is necessary to meet the demands and to prevent a disaster
- ◉ soil erosion has been hastened due to the overuse of farming lands
- ○ water is undoubtedly the largest cause of erosion
- ○ there are many ways to reduce erosion

Submit

Caltech Cohort Study

Passage 5 - Opera
Opera refers to a dramatic art form, originating in Europe, in which the emotional content is conveyed to the audience as much through music, both vocal and instrumental, as it is through the lyrics. By contrast, in musical theater an actor's dramatic performance is primary, and the music plays a lesser role. The drama in opera is presented using the primary elements of theater such as scenery, costumes, and acting. However, the words of the opera, or libretto, are sung rather than spoken. The singers are accompanied by a musical ensemble ranging from a small instrumental ensemble to a full symphonic orchestra.

1. It is pointed out in the reading that opera

- ○ has developed under the influence of musical theater
- ○ is a drama sung with the accompaniment of an orchestra
- ○ is not a high-budget production
- ○ is often performed in Europe
- ◉ is the most complex of all the performing arts

2. We can understand from the reading that

- ◉ people are captivated more by opera than musical theater
- ○ drama in opera is more important than the music
- ○ orchestras in operas can vary considerably in size
- ○ musical theater relies above all on music
- ○ there is argument over whether the music is important or the words in opera

3. It is stated in the reading that

- ○ acting and costumes are secondary to music in musical theater
- ◉ many people find musical theater more captivating than opera
- ○ music in musical theater is not as important as it is in opera
- ○ an opera requires a huge orchestra as well as a large choir
- ○ opera doesn't have any properties in common with musical theater

Submit

Caltech Cohort Study

Thank you for completing this installment of the Caltech Cohort Survey. While we must wait for other people to complete the survey before we can determine your total earnings, here is a summary of what you have earned thus far:

Quick Completion Bonus:	$3.00
Reading Comprehension:	$0.40
First Urn Gamble:	$1.00
Second Urn Gamble:	$1.60
Third Urn Gamble:	$1.90
First Risky Project:	$3.90
Amount Allocated to Yourself:	$1.95
Amount Allocated to You:	To be determined shortly
Rotation Puzzles:	To be determined shortly
Second Risky Project:	$0.70
Choice of Gambles:	$0.80
Classification Task:	$1.53
Coin Tosses:	$0.90
Group Number Guessing:	To be determined shortly

You should receive an email in the next 24 hours that will include your total earnings, and how to collect the money you have earned.

Again, thank you!
Professors Erik Snowberg and Leeat Yariv
CaltechCohortStudy@hss.caltech.edu