





















Name: \_\_\_\_\_

A list of opposing words appears below. Rate how well these words describe your feelings about chemistry. Think carefully and try not to include your feelings toward chemistry teachers or chemistry courses. For each line, choose a position between the two words that describes exactly how you feel. Mark that number here or on the standard answer sheet. The middle position is if you are undecided or have no feelings related to the terms on that line.

### CHEMISTRY IS

- |                   |   |                  |
|-------------------|---|------------------|
| 1. easy           |  2   3   4   5   6   7   | hard             |
|                   | middle  |                  |
| 2. worthless      |  2   3   4   5   6   7   | beneficial       |
| 3. exciting       |  2   3   4   5   6   7   | boring           |
| 4. complicated    |  2   3   4   5   6   7   | simple           |
| 5. confusing      |  2   3   4   5   6   7   | clear            |
| 6. good           |  2   3   4   5   6   7   | bad              |
|                   | middle  |                  |
| 7. satisfying     |  2   3   4   5   6   7   | frustrating      |
| 8. scary          |  2   3   4   5   6   7  | fun              |
| 9. comprehensible |  2   3   4   5   6   7 | incomprehensible |
| 10. challenging   |  2   3   4   5   6   7 | not challenging  |
| 11. pleasant      |  2   3   4   5   6   7 | unpleasant       |
|                   | middle  |                  |
| 12. interesting   |  2   3   4   5   6   7 | dull             |
| 13. disgusting    |  2   3   4   5   6   7 | attractive       |
| 14. comfortable   |  2   3   4   5   6   7 | uncomfortable    |
| 15. worthwhile    |  2   3   4   5   6   7 | useless          |
| 16. work          |  2   3   4   5   6   7 | play             |
|                   | middle  |                  |
| 17. chaotic       |  2   3   4   5   6   7 | organized        |
| 18. safe          |  2   3   4   5   6   7 | dangerous        |
| 19. tense         |  2   3   4   5   6   7 | relaxed          |
| 20. insecure      |  2   3   4   5   6   7 | secure           |

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### CHEMISTRY IS

- |                   |                                  |                  |
|-------------------|----------------------------------|------------------|
| 1. easy           | 1   <u>2</u>   3   4   5   6   7 | hard             |
|                   | middle                           |                  |
| 2. worthless      | 1   <u>2</u>   3   4   5   6   7 | beneficial       |
| 3. exciting       | 1   <u>2</u>   3   4   5   6   7 | boring           |
| 4. complicated    | 1   <u>2</u>   3   4   5   6   7 | simple           |
| 5. confusing      | 1   <u>2</u>   3   4   5   6   7 | clear            |
| 6. good           | 1   <u>2</u>   3   4   5   6   7 | bad              |
|                   | middle                           |                  |
| 7. satisfying     | 1   <u>2</u>   3   4   5   6   7 | frustrating      |
| 8. scary          | 1   <u>2</u>   3   4   5   6   7 | fun              |
| 9. comprehensible | 1   <u>2</u>   3   4   5   6   7 | incomprehensible |
| 10. challenging   | 1   <u>2</u>   3   4   5   6   7 | not challenging  |
| 11. pleasant      | 1   <u>2</u>   3   4   5   6   7 | unpleasant       |
|                   | middle                           |                  |
| 12. interesting   | 1   <u>2</u>   3   4   5   6   7 | dull             |
| 13. disgusting    | 1   <u>2</u>   3   4   5   6   7 | attractive       |
| 14. comfortable   | 1   <u>2</u>   3   4   5   6   7 | uncomfortable    |
| 15. worthwhile    | 1   <u>2</u>   3   4   5   6   7 | useless          |
| 16. work          | 1   <u>2</u>   3   4   5   6   7 | play             |
|                   | middle                           |                  |
| 17. chaotic       | 1   <u>2</u>   3   4   5   6   7 | organized        |
| 18. safe          | 1   <u>2</u>   3   4   5   6   7 | dangerous        |
| 19. tense         | 1   <u>2</u>   3   4   5   6   7 | relaxed          |
| 20. insecure      | 1   <u>2</u>   3   4   5   6   7 | secure           |

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### CHEMISTRY IS

- |                   |                                  |                  |
|-------------------|----------------------------------|------------------|
| 1. easy           | 1   2   <u>3</u>   4   5   6   7 | hard             |
|                   | middle                           |                  |
| 2. worthless      | 1   2   <u>3</u>   4   5   6   7 | beneficial       |
| 3. exciting       | 1   2   <u>3</u>   4   5   6   7 | boring           |
| 4. complicated    | 1   2   <u>3</u>   4   5   6   7 | simple           |
| 5. confusing      | 1   2   <u>3</u>   4   5   6   7 | clear            |
| 6. good           | 1   2   <u>3</u>   4   5   6   7 | bad              |
|                   | middle                           |                  |
| 7. satisfying     | 1   2   <u>3</u>   4   5   6   7 | frustrating      |
| 8. scary          | 1   2   <u>3</u>   4   5   6   7 | fun              |
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| 10. challenging   | 1   2   <u>3</u>   4   5   6   7 | not challenging  |
| 11. pleasant      | 1   2   <u>3</u>   4   5   6   7 | unpleasant       |
|                   | middle                           |                  |
| 12. interesting   | 1   2   <u>3</u>   4   5   6   7 | dull             |
| 13. disgusting    | 1   2   <u>3</u>   4   5   6   7 | attractive       |
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| 15. worthwhile    | 1   2   <u>3</u>   4   5   6   7 | useless          |
| 16. work          | 1   2   <u>3</u>   4   5   6   7 | play             |
|                   | middle                           |                  |
| 17. chaotic       | 1   2   <u>3</u>   4   5   6   7 | organized        |
| 18. safe          | 1   2   <u>3</u>   4   5   6   7 | dangerous        |
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| 20. insecure      | 1   2   <u>3</u>   4   5   6   7 | secure           |

Name: \_\_\_\_\_

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### CHEMISTRY IS

- |                   |                                      |                  |
|-------------------|--------------------------------------|------------------|
| 1. easy           | 1   2   3   <del>4</del>   5   6   7 | hard             |
|                   | middle                               |                  |
| 2. worthless      | 1   2   3   <del>4</del>   5   6   7 | beneficial       |
| 3. exciting       | 1   2   3   <del>4</del>   5   6   7 | boring           |
| 4. complicated    | 1   2   3   <del>4</del>   5   6   7 | simple           |
| 5. confusing      | 1   2   3   <del>4</del>   5   6   7 | clear            |
| 6. good           | 1   2   3   <del>4</del>   5   6   7 | bad              |
|                   | middle                               |                  |
| 7. satisfying     | 1   2   3   <del>4</del>   5   6   7 | frustrating      |
| 8. scary          | 1   2   3   <del>4</del>   5   6   7 | fun              |
| 9. comprehensible | 1   2   3   <del>4</del>   5   6   7 | incomprehensible |
| 10. challenging   | 1   2   3   <del>4</del>   5   6   7 | not challenging  |
| 11. pleasant      | 1   2   3   <del>4</del>   5   6   7 | unpleasant       |
|                   | middle                               |                  |
| 12. interesting   | 1   2   3   <del>4</del>   5   6   7 | dull             |
| 13. disgusting    | 1   2   3   <del>4</del>   5   6   7 | attractive       |
| 14. comfortable   | 1   2   3   <del>4</del>   5   6   7 | uncomfortable    |
| 15. worthwhile    | 1   2   3   <del>4</del>   5   6   7 | useless          |
| 16. work          | 1   2   3   <del>4</del>   5   6   7 | play             |
|                   | middle                               |                  |
| 17. chaotic       | 1   2   3   <del>4</del>   5   6   7 | organized        |
| 18. safe          | 1   2   3   <del>4</del>   5   6   7 | dangerous        |
| 19. tense         | 1   2   3   <del>4</del>   5   6   7 | relaxed          |
| 20. insecure      | 1   2   3   <del>4</del>   5   6   7 | secure           |

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### CHEMISTRY IS

- |                   |  |                  |
|-------------------|--|------------------|
| 1. easy           | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div> <div style="text-align: center; margin-top: -10px;">middle</div> | hard             |
| 2. worthless      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | beneficial       |
| 3. exciting       | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | boring           |
| 4. complicated    | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | simple           |
| 5. confusing      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | clear            |
| 6. good           | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div> <div style="text-align: center; margin-top: -10px;">middle</div> | bad              |
| 7. satisfying     | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | frustrating      |
| 8. scary          | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | fun              |
| 9. comprehensible | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | incomprehensible |
| 10. challenging   | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | not challenging  |
| 11. pleasant      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div> <div style="text-align: center; margin-top: -10px;">middle</div> | unpleasant       |
| 12. interesting   | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | dull             |
| 13. disgusting    | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | attractive       |
| 14. comfortable   | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | uncomfortable    |
| 15. worthwhile    | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | useless          |
| 16. work          | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div> <div style="text-align: center; margin-top: -10px;">middle</div> | play             |
| 17. chaotic       | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | organized        |
| 18. safe          | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | dangerous        |
| 19. tense         | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | relaxed          |
| 20. insecure      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; padding-bottom: 2px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span><span>6</span><span>7</span> </div>  | secure           |

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### CHEMISTRY IS

- |                   |                                      |                  |
|-------------------|--------------------------------------|------------------|
| 1. easy           | 1   2   3   4   5   <del>6</del>   7 | hard             |
|                   | middle                               |                  |
| 2. worthless      | 1   2   3   4   5   <del>6</del>   7 | beneficial       |
| 3. exciting       | 1   2   3   4   5   <del>6</del>   7 | boring           |
| 4. complicated    | 1   2   3   4   5   <del>6</del>   7 | simple           |
| 5. confusing      | 1   2   3   4   5   <del>6</del>   7 | clear            |
| 6. good           | 1   2   3   4   5   <del>6</del>   7 | bad              |
|                   | middle                               |                  |
| 7. satisfying     | 1   2   3   4   5   <del>6</del>   7 | frustrating      |
| 8. scary          | 1   2   3   4   5   <del>6</del>   7 | fun              |
| 9. comprehensible | 1   2   3   4   5   <del>6</del>   7 | incomprehensible |
| 10. challenging   | 1   2   3   4   5   <del>6</del>   7 | not challenging  |
| 11. pleasant      | 1   2   3   4   5   <del>6</del>   7 | unpleasant       |
|                   | middle                               |                  |
| 12. interesting   | 1   2   3   4   5   <del>6</del>   7 | dull             |
| 13. disgusting    | 1   2   3   4   5   <del>6</del>   7 | attractive       |
| 14. comfortable   | 1   2   3   4   5   <del>6</del>   7 | uncomfortable    |
| 15. worthwhile    | 1   2   3   4   5   <del>6</del>   7 | useless          |
| 16. work          | 1   2   3   4   5   <del>6</del>   7 | play             |
|                   | middle                               |                  |
| 17. chaotic       | 1   2   3   4   5   <del>6</del>   7 | organized        |
| 18. safe          | 1   2   3   4   5   <del>6</del>   7 | dangerous        |
| 19. tense         | 1   2   3   4   5   <del>6</del>   7 | relaxed          |
| 20. insecure      | 1   2   3   4   5   <del>6</del>   7 | secure           |

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- |                   |   |                  |
|-------------------|---|------------------|
| 1. easy           | 1   2   3   4   5   6   <del>7</del> <del>8</del> | hard             |
|                   | middle  |                  |
| 2. worthless      | 1   2   3   4   5   6   <del>7</del> <del>8</del> | beneficial       |
| 3. exciting       | 1   2   3   4   5   6   <del>7</del> <del>8</del> | boring           |
| 4. complicated    | 1   2   3   4   5   6   <del>7</del> <del>8</del> | simple           |
| 5. confusing      | 1   2   3   4   5   6   <del>7</del> <del>8</del> | clear            |
| 6. good           | 1   2   3   4   5   6   <del>7</del> <del>8</del> | bad              |
|                   | middle  |                  |
| 7. satisfying     | 1   2   3   4   5   6   <del>7</del> <del>8</del> | frustrating      |
| 8. scary          | 1   2   3   4   5   6   <del>7</del> <del>8</del> | fun              |
| 9. comprehensible | 1   2   3   4   5   6   <del>7</del> <del>8</del> | incomprehensible |
| 10. challenging   | 1   2   3   4   5   6   <del>7</del> <del>8</del> | not challenging  |
| 11. pleasant      | 1   2   3   4   5   6   <del>7</del> <del>8</del> | unpleasant       |
|                   | middle  |                  |
| 12. interesting   | 1   2   3   4   5   6   <del>7</del> <del>8</del> | dull             |
| 13. disgusting    | 1   2   3   4   5   6   <del>7</del> <del>8</del> | attractive       |
| 14. comfortable   | 1   2   3   4   5   6   <del>7</del> <del>8</del> | uncomfortable    |
| 15. worthwhile    | 1   2   3   4   5   6   <del>7</del> <del>8</del> | useless          |
| 16. work          | 1   2   3   4   5   6   <del>7</del> <del>8</del> | play             |
|                   | middle  |                  |
| 17. chaotic       | 1   2   3   4   5   6   <del>7</del> <del>8</del> | organized        |
| 18. safe          | 1   2   3   4   5   6   <del>7</del> <del>8</del> | dangerous        |
| 19. tense         | 1   2   3   4   5   6   <del>7</del> <del>8</del> | relaxed          |
| 20. insecure      | 1   2   3   4   5   6   <del>7</del> <del>8</del> | secure           |