

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

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

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### CHEMISTRY IS

- |                   |   |                  |
|-------------------|---|------------------|
| 1. easy           | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | hard             |
| 2. worthless      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | beneficial       |
| 3. exciting       | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | boring           |
| 4. complicated    | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | simple           |
| 5. confusing      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | clear            |
| 6. good           | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | bad              |
| 7. satisfying     | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | frustrating      |
| 8. scary          | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | fun              |
| 9. comprehensible | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | incomprehensible |
| 10. challenging   | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | not challenging  |
| 11. pleasant      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | unpleasant       |
| 12. interesting   | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | dull             |
| 13. disgusting    | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | attractive       |
| 14. comfortable   | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | uncomfortable    |
| 15. worthwhile    | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | useless          |
| 16. work          | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | play             |
| 17. chaotic       | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | organized        |
| 18. safe          | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | dangerous        |
| 19. tense         | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | relaxed          |
| 20. insecure      | <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> <div style="display: flex; justify-content: center; margin-bottom: 2px;"> <span style="margin: 0 5px;">middle</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span style="width: 10%;">1</span><span style="width: 10%;">2</span><span style="width: 10%;">3</span><span style="width: 10%;">4</span><span style="width: 10%;"><del>5</del></span><span style="width: 10%;">6</span><span style="width: 10%;">7</span> </div> | secure           |

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           | 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           |

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