

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="text" value="6"/> 2 3 4 5 6 7	hard
2. worthless	<input type="text" value="1"/> 2 3 4 5 6 7	beneficial
3. exciting	<input type="text" value="0"/> 2 3 4 5 6 7	boring
4. complicated	<input type="text" value="0"/> 2 3 4 5 6 7	simple
5. confusing	<input type="text" value="1"/> 2 3 4 5 6 7	clear
6. good	<input type="text" value="6"/> 2 3 4 5 6 7	bad
7. satisfying	<input type="text" value="6"/> 2 3 4 5 6 7	frustrating
8. scary	<input type="text" value="0"/> 2 3 4 5 6 7	fun
9. comprehensible	<input type="text" value="1"/> 2 3 4 5 6 7	incomprehensible
10. challenging	<input type="text" value="0"/> 2 3 4 5 6 7	not challenging
11. pleasant	<input type="text" value="1"/> 2 3 4 5 6 7	unpleasant
12. interesting	<input type="text" value="1"/> 2 3 4 5 6 7	dull
13. disgusting	<input type="text" value="1"/> 2 3 4 5 6 7	attractive
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16. work	<input type="text" value="1"/> 2 3 4 5 6 7	play
17. chaotic	<input type="text" value="1"/> 2 3 4 5 6 7	organized
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19. tense	<input type="text" value="1"/> 2 3 4 5 6 7	relaxed
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Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently **1** 2 3 4 5 6 7 Frequently

In class, I ask questions

Infrequently **1** 2 3 4 5 6 7 Frequently

In class, I interact with my peers

Infrequently **1** 2 3 4 5 6 7 Frequently

I am motivated to learn chemistry

Infrequently **1** 2 3 4 5 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently **1** 2 3 4 5 6 7 Frequently

I feel the different topics taught in chemistry are connected to each other

Infrequently **1** 2 3 4 5 6 7 Frequently

I am likely to attend class regularly

Infrequently **1** 2 3 4 5 6 7 Frequently

The amount of work in this course will be challenging

Disagree **1** 2 3 4 5 6 7 Agree

The course content will be difficult for me

Disagree **1** 2 3 4 5 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree **1** 2 3 4 5 6 7 Agree

I will enjoy the course overall

Disagree **1** 2 3 4 5 6 7 Agree

For this item, circle the number two

Disagree **0** 2 3 4 5 6 7 Agree

The concepts from the lecture portion of the course connect to the lab portion

Disagree 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 2 3 4 5 6 7 Agree

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Disagree 2 3 4 5 6 7 Agree

I enjoy thinking about chemistry outside of my course work

Disagree 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 2 3 4 5 6 7 Agree

I am generally curious about chemistry

Disagree 2 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

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In class, I interact with my peers

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I am motivated to learn chemistry

Infrequently	1	2	3	4	5	6	7	Frequently
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I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
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I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
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The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
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The structure of the class supports the learning of chemistry

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Disagree	1	2	3	4	5	6	7	Agree
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The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

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20. insecure	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	secure

Name: _____

Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently 1 2 3 4 **5** 6 7 Frequently

In class, I ask questions

Infrequently 1 2 3 4 **5** 6 7 Frequently

In class, I interact with my peers

Infrequently 1 2 3 4 **5** 6 7 Frequently

I am motivated to learn chemistry

Infrequently 1 2 3 4 **5** 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently 1 2 3 4 **5** 6 7 Frequently

I feel the different topics taught in chemistry are connected to each other

Infrequently 1 2 3 4 **5** 6 7 Frequently

I am likely to attend class regularly

Infrequently 1 2 3 4 **5** 6 7 Frequently

The amount of work in this course will be challenging

Disagree 1 2 3 4 **5** 6 7 Agree

The course content will be difficult for me

Disagree 1 2 3 4 **5** 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree 1 2 3 4 **5** 6 7 Agree

I will enjoy the course overall

Disagree 1 2 3 4 **5** 6 7 Agree

For this item, circle the number two

Disagree 1 2 3 4 **7** 6 7 Agree

The concepts from the lecture portion of the course connect to the lab portion



I understand chemistry better because of the lab activities



I will enjoy the laboratory activities



I enjoy thinking about chemistry outside of my course work



I feel well-prepared for this course



I can handle dealing with academic setbacks



I am generally curious about chemistry



I feel confident in my ability to complete my chemistry course with a passing grade



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	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
	middle	
2. worthless	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	beneficial
3. exciting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	boring
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5. confusing	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	clear
6. good	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
	middle	
7. satisfying	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	frustrating
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15. worthwhile	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	useless
16. work	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	play
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The structure of the class supports the learning of chemistry

Disagree 1 2 3 4 5 **6** 7 Agree

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Disagree 1 2 3 4 5 **6** 7 Agree

For this item, circle the number two

Disagree 1 2 3 4 5 **6** 7 Agree

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I understand chemistry better because of the lab activities



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I enjoy thinking about chemistry outside of my course work



I feel well-prepared for this course



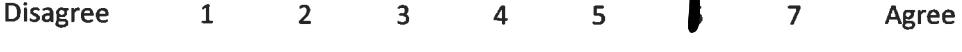
I can handle dealing with academic setbacks



I am generally curious about chemistry



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Disagree 1 2 3 4 5 6 **7** Agree

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Disagree 1 2 3 4 5 6 **7** Agree

I will enjoy the course overall

Disagree 1 2 3 4 5 6 **7** Agree

For this item, circle the number two

Disagree 1 2 3 4 5 6 **7** Agree

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 **7** Agree

I understand chemistry better because of the lab activities

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Disagree 1 2 3 4 5 6 **7** Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 **7** Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 **7** Agree

I feel confident in my ability to complete my chemistry course with a passing grade

Disagree 1 2 3 4 5 6 **7** Agree

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

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Disagree **1** 2 3 4 5 6 7 Agree

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Disagree **1** 2 3 4 5 6 7 Agree

For this item, circle the number two

Disagree **1** 2 3 4 5 6 7 Agree

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Disagree **1** 2 3 4 5 6 7 Agree

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Disagree **1** 2 3 4 5 6 7 Agree

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Disagree **1** 2 3 4 5 6 7 Agree

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Disagree **1** 2 3 4 5 6 7 Agree

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6. good	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
7. satisfying	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	frustrating
8. scary	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	fun
9. comprehensible	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	incomprehensible
10. challenging	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	not challenging
11. pleasant	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	unpleasant
12. interesting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dull
13. disgusting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	attractive
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16. work	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	play
17. chaotic	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	organized
18. safe	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dangerous
19. tense	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	relaxed
20. insecure	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	secure

Name: _____

Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

In class, I ask questions

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

In class, I interact with my peers

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am motivated to learn chemistry

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am likely to attend class regularly

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 2 3 4 5 6 7 Agree

I will enjoy the laboratory activities

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I enjoy thinking about chemistry outside of my course work

Disagree 1 2 3 4 5 6 7 Agree

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Disagree 1 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 7 Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 7 Agree

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CHEMISTRY IS

1. easy	<input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	hard
2. worthless	<input type="checkbox"/> 1 <input checked="" 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 checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	boring
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5. confusing	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	clear
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8. scary	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	fun
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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 checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	unpleasant
12. interesting	<input checked="" 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 checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	attractive
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16. work	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	play
17. chaotic	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	secure

Name: _____

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Infrequently 1 2 4 5 6 7 Frequently

In class, I interact with my peers

Infrequently 1 3 4 5 6 7 Frequently

I am motivated to learn chemistry

Infrequently 2 3 4 5 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently 1 3 4 5 6 7 Frequently

I feel the different topics taught in chemistry are connected to each other

Infrequently 1 2 4 5 6 7 Frequently

I am likely to attend class regularly

Infrequently 1 2 3 5 6 7 Frequently

The amount of work in this course will be challenging

Disagree 1 2 3 4 6 7 Agree

The course content will be difficult for me

Disagree 1 2 3 4 5 7 Agree

The structure of the class supports the learning of chemistry

Disagree 1 2 3 4 5 6 Agree

I will enjoy the course overall

Disagree 1 2 3 4 5 7 Agree

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Disagree 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

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Disagree 1 2 3 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

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CHEMISTRY IS

1. easy	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
	middle	
2. worthless	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	beneficial
3. exciting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	boring
4. complicated	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	simple
5. confusing	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	clear
6. good	<u>1</u> <u>X</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
	middle	
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9. comprehensible	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	incomprehensible
10. challenging	<u>1</u> <u>2</u> <u>3</u> <u>X</u> <u>5</u> <u>6</u> <u>7</u>	not challenging
11. pleasant	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>X</u> <u>6</u> <u>7</u>	unpleasant
	middle	
12. interesting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>X</u> <u>7</u>	dull
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16. work	<u>1</u> <u>2</u> <u>3</u> <u>X</u> <u>5</u> <u>6</u> <u>7</u>	play
	middle	
17. chaotic	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	organized
18. safe	<u>1</u> <u>X</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dangerous
19. tense	<u>X</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	relaxed
20. insecure	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	secure

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Infrequently	1	2	3	4	5	6	7	Frequently
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I have trouble focusing in my chemistry class

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The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
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The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
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The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

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CHEMISTRY IS

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2. worthless	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	beneficial
3. exciting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	boring
4. complicated	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	simple
5. confusing	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	clear
6. good	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
7. satisfying	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	frustrating
8. scary	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	fun
9. comprehensible	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	incomprehensible
10. challenging	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	not challenging
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19. tense	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	relaxed
20. insecure	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	secure

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When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently	1	2	3	4	5	6	7	Frequently
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In class, I ask questions

Infrequently	1	2	3	4	5	6	7	Frequently
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In class, I interact with my peers

Infrequently	1	2	3	4	5	6	7	Frequently
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I am motivated to learn chemistry

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am likely to attend class regularly

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 2 3 4 5 6 7 Agree

I will enjoy the laboratory activities

Disagree 1 2 3 4 5 6 7 Agree

I enjoy thinking about chemistry outside of my course work

Disagree 1 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 7 Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

Disagree 1 2 3 4 5 6 7 Agree

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	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
2. worthless	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	beneficial
3. exciting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	boring
4. complicated	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	simple
5. confusing	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	clear
6. good	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
7. satisfying	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	frustrating
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16. work	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	play
17. chaotic	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	organized
18. safe	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dangerous
19. tense	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	relaxed
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Name: _____

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When answering these items focus on general chemistry specifically.

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I am motivated to learn chemistry

Infrequently	1	2	3	4	5	6	7	Frequently
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I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
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I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am likely to attend class regularly

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 2 3 4 5 6 7 Agree

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Disagree 1 2 3 4 5 6 7 Agree

I enjoy thinking about chemistry outside of my course work

Disagree 1 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 7 Agree

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Disagree 1 2 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

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CHEMISTRY IS

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Infrequently 1 2 3 4 5 6 7 Frequently

I am likely to attend class regularly

Infrequently 1 2 3 4 5 6 7 Frequently

The amount of work in this course will be challenging

Disagree 1 2 3 4 5 6 7 Agree

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Disagree 1 2 3 ④ 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 2 3 4 ⑤ 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 ⑥ 7 Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 ⑦ Agree

I feel confident in my ability to complete my chemistry course with a passing grade

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CHEMISTRY IS

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20. insecure	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	secure

Name: _____

Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently	1	②	3	4	5	6	7	Frequently
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In class, I ask questions

Infrequently	1	②	3	4	5	6	7	Frequently
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In class, I interact with my peers

Infrequently	1	②	3	4	5	6	7	Frequently
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I am motivated to learn chemistry

Infrequently	1	②	3	4	5	6	7	Frequently
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I have trouble focusing in my chemistry class

Infrequently	1	②	3	4	5	6	7	Frequently
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I feel the different topics taught in chemistry are connected to each other

Infrequently	1	②	3	4	5	6	7	Frequently
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I am likely to attend class regularly

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The amount of work in this course will be challenging

Disagree	1	②	3	4	5	6	7	Agree
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The course content will be difficult for me

Disagree	1	②	3	4	5	6	7	Agree
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The structure of the class supports the learning of chemistry

Disagree	1	②	3	4	5	6	7	Agree
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I will enjoy the course overall

Disagree	1	②	3	4	5	6	7	Agree
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For this item, circle the number two

Disagree	1	②	3	4	5	6	7	Agree
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The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 ② 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 ② 3 4 5 6 7 Agree

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Disagree 1 ② 3 4 5 6 7 Agree

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Disagree 1 ② 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 ② 3 4 5 6 7 Agree

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Disagree 1 ② 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

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CHEMISTRY IS

1. easy	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
	middle	
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3. exciting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	boring
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	middle	
12. interesting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dull
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Infrequently	1	2	3	4	5	6	7	Frequently
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I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
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I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
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I am likely to attend class regularly

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The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
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The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
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The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
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I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
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For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
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The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 ③ 4 5 6 7 Agree

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The structure of the class supports the learning of chemistry

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Disagree	1	2	3	④	5	6	7	Agree
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For this item, circle the number two

Disagree	1	2	3	④	5	6	7	Agree
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The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

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	middle	
12. interesting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dull
13. disgusting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	attractive
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CHEMISTRY IS

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	middle	
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CHEMISTRY IS

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3. exciting	<input type="text" value="0"/> 2 3 4 5 6 7	boring
4. complicated	<input type="text" value="0"/> 2 3 4 5 6 7	simple
5. confusing	<input type="text" value="1"/> 2 3 4 5 6 7	clear
6. good	<input type="text" value="6"/> 2 3 4 5 6 7	bad
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8. scary	<input type="text" value="0"/> 2 3 4 5 6 7	fun
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Infrequently	1	2	3	4	5	6	7	Frequently
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I feel the different topics taught in chemistry are connected to each other

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The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
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The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
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The structure of the class supports the learning of chemistry

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I understand chemistry better because of the lab activities



I will enjoy the laboratory activities



I enjoy thinking about chemistry outside of my course work



I feel well-prepared for this course



I can handle dealing with academic setbacks



I am generally curious about chemistry



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CHEMISTRY IS

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

Name: _____

Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently 1 2 3 **4** 5 6 7 Frequently

In class, I ask questions

Infrequently 1 2 3 **4** 5 6 7 Frequently

In class, I interact with my peers

Infrequently 1 2 3 **4** 5 6 7 Frequently

I am motivated to learn chemistry

Infrequently 1 2 3 **4** 5 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently 1 2 3 **4** 5 6 7 Frequently

I feel the different topics taught in chemistry are connected to each other

Infrequently 1 2 3 **4** 5 6 7 Frequently

I am likely to attend class regularly

Infrequently 1 2 3 **4** 5 6 7 Frequently

The amount of work in this course will be challenging

Disagree 1 2 3 **4** 5 6 7 Agree

The course content will be difficult for me

Disagree 1 2 3 **4** 5 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree 1 2 3 **4** 5 6 7 Agree

I will enjoy the course overall

Disagree 1 2 3 **4** 5 6 7 Agree

For this item, circle the number two

Disagree 1 2 3 **4** 5 6 7 Agree

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CHEMISTRY IS

1. easy	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
	middle	
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Disagree 1 2 3 4 **5** 6 7 Agree

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Disagree 1 2 3 4 5 **6** 7 Agree

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Infrequently	1	2	3	4	5	6	7	Frequently
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Infrequently	1	2	3	4	5	6	7	Frequently
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In class, I interact with my peers

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The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
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I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 **7** Agree

I understand chemistry better because of the lab activities

Disagree 1 2 3 4 5 6 **7** Agree

I will enjoy the laboratory activities

Disagree 1 2 3 4 5 6 **7** Agree

I enjoy thinking about chemistry outside of my course work

Disagree 1 2 3 4 5 6 **7** Agree

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Disagree 1 2 3 4 5 6 **7** Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 **7** Agree

I am generally curious about chemistry

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I feel confident in my ability to complete my chemistry course with a passing grade

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14. comfortable	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	uncomfortable
15. worthwhile	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	useless
16. work	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	play
17. chaotic	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	organized
18. safe	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	dangerous
19. tense	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	relaxed
20. insecure	<input type="text" value="1"/> 2 <input type="text" value="3"/> 4 <input type="text" value="5"/> 6 <input type="text" value="7"/>	secure

Name: _____

Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

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I interact with my instructor

Infrequently **1** 2 3 4 5 6 7 Frequently

In class, I ask questions

Infrequently **1** 2 3 4 5 6 7 Frequently

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Infrequently **1** 2 3 4 5 6 7 Frequently

I am motivated to learn chemistry

Infrequently **1** 2 3 4 5 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently **1** 2 3 4 5 6 7 Frequently

I feel the different topics taught in chemistry are connected to each other

Infrequently **1** 2 3 4 5 6 7 Frequently

I am likely to attend class regularly

Infrequently **1** 2 3 4 5 6 7 Frequently

The amount of work in this course will be challenging

Disagree **1** 2 3 4 5 6 7 Agree

The course content will be difficult for me

Disagree **1** 2 3 4 5 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree **1** 2 3 4 5 6 7 Agree

I will enjoy the course overall

Disagree **1** 2 3 4 5 6 7 Agree

For this item, circle the number two

Disagree **1** 2 3 4 5 6 7 Agree

The concepts from the lecture portion of the course connect to the lab portion

Disagree **1** 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree **1** 2 3 4 5 6 7 Agree

I will enjoy the laboratory activities

Disagree **1** 2 3 4 5 6 7 Agree

I enjoy thinking about chemistry outside of my course work

Disagree **1** 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree **1** 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree **1** 2 3 4 5 6 7 Agree

I am generally curious about chemistry

Disagree **1** 2 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

Disagree **1** 2 3 4 5 6 7 Agree

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

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When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently 1 **7** 3 4 5 6 7 Frequently

In class, I ask questions

Infrequently 1 **7** 3 4 5 6 7 Frequently

In class, I interact with my peers

Infrequently 1 **7** 3 4 5 6 7 Frequently

I am motivated to learn chemistry

Infrequently 1 **2** 3 4 5 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently 1 **1** 3 4 5 6 7 Frequently

I feel the different topics taught in chemistry are connected to each other

Infrequently 1 **1** 3 4 5 6 7 Frequently

I am likely to attend class regularly

Infrequently 1 **7** 3 4 5 6 7 Frequently

The amount of work in this course will be challenging

Disagree 1 **2** 3 4 5 6 7 Agree

The course content will be difficult for me

Disagree 1 **1** 3 4 5 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree 1 **1** 3 4 5 6 7 Agree

I will enjoy the course overall

Disagree 1 **1** 3 4 5 6 7 Agree

For this item, circle the number two

Disagree 1 **1** 3 4 5 6 7 Agree

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 2 3 4 5 6 7 Agree

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Disagree 1 2 3 4 5 6 7 Agree

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Disagree 1 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 7 Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

Disagree 1 2 3 4 5 6 7 Agree

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	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
2. worthless	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	beneficial
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Infrequently 1 2 **7** 4 5 6 7 Frequently

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Infrequently 1 2 **3** 4 5 6 7 Frequently

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Disagree 1 2 **7** 4 5 6 7 Agree

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Disagree 1 2 **3** 4 5 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree 1 2 **3** 4 5 6 7 Agree

I will enjoy the course overall

Disagree 1 2 **3** 4 5 6 7 Agree

For this item, circle the number two

Disagree 1 2 **1** 4 5 6 7 Agree

The concepts from the lecture portion of the course connect to the lab portion

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CHEMISTRY IS

1. easy	<input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	hard
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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
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5. confusing	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	clear
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19. tense	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" 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 checked="" type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7	secure

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CHEMISTRY IS

1. easy	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
	middle	
2. worthless	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	beneficial
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5. confusing	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	clear
6. good	<u>1</u> <u>X</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
	middle	
7. satisfying	<u>X</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	frustrating
8. scary	<u>1</u> <u>X</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	fun
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10. challenging	<u>1</u> <u>2</u> <u>3</u> <u>X</u> <u>5</u> <u>6</u> <u>7</u>	not challenging
11. pleasant	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>X</u> <u>6</u> <u>7</u>	unpleasant
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16. work	<u>1</u> <u>2</u> <u>3</u> <u>X</u> <u>5</u> <u>6</u> <u>7</u>	play
	middle	
17. chaotic	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	organized
18. safe	<u>1</u> <u>X</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dangerous
19. tense	<u>X</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	relaxed
20. insecure	<u>1</u> <u>2</u> <u>X</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	secure

Name: _____

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Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

In class, I ask questions

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

In class, I interact with my peers

Infrequently	1	2	3	4	5	6	7	Frequently
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I am motivated to learn chemistry

Infrequently	1	2	3	4	5	6	7	Frequently
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I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
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I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am likely to attend class regularly

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
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CHEMISTRY IS

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I feel the different topics taught in chemistry are connected to each other

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Infrequently 1 2 3 4 5 6 7 Frequently

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The amount of work in this course will be challenging

Disagree 1 2 3 4 5 6 7 Agree

The course content will be difficult for me

Disagree 1 2 3 4 5 6 7 Agree

The structure of the class supports the learning of chemistry

Disagree 1 2 3 4 5 6 7 Agree

I will enjoy the course overall

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For this item, circle the number two

Disagree 1 2 3 4 5 6 7 Agree

The concepts from the lecture portion of the course connect to the lab portion

Disagree ① 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 ② 3 4 5 6 7 Agree

I will enjoy the laboratory activities

Disagree 1 2 ③ 4 5 6 7 Agree

I enjoy thinking about chemistry outside of my course work

Disagree 1 2 3 ④ 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 2 3 4 ⑤ 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 ⑥ 7 Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 ⑦ Agree

I feel confident in my ability to complete my chemistry course with a passing grade

Disagree 1 2 3 4 5 ⑥ 7 Agree

Name: _____

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CHEMISTRY IS

1. easy	<u>1</u> 2 3 4 5 6 7	hard
	middle	
2. worthless	<u>1</u> 2 3 4 5 6 7	beneficial
3. exciting	<u>1</u> 2 3 4 5 6 7	boring
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Infrequently ① 2 3 4 5 6 7 Frequently

I have trouble focusing in my chemistry class

Infrequently ① 2 3 4 5 6 7 Frequently

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Infrequently ① 2 3 4 5 6 7 Frequently

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Disagree ① 2 3 4 5 6 7 Agree

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3. exciting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	boring
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5. confusing	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	clear
6. good	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	bad
	middle	
7. satisfying	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	frustrating
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10. challenging	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	not challenging
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	middle	
12. interesting	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dull
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18. safe	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	dangerous
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Name: _____

Please respond to the following items by choosing the number (1 - 7) that most closely reflects your opinion. Do NOT circle the words below the items, only the numbers.

When answering these items focus on general chemistry specifically.

I interact with my instructor

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

In class, I ask questions

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

In class, I interact with my peers

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am motivated to learn chemistry

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I have trouble focusing in my chemistry class

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I feel the different topics taught in chemistry are connected to each other

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

I am likely to attend class regularly

Infrequently	1	2	3	4	5	6	7	Frequently
--------------	---	---	---	---	---	---	---	------------

The amount of work in this course will be challenging

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The course content will be difficult for me

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The structure of the class supports the learning of chemistry

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

I will enjoy the course overall

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

For this item, circle the number two

Disagree	1	2	3	4	5	6	7	Agree
----------	---	---	---	---	---	---	---	-------

The concepts from the lecture portion of the course connect to the lab portion

Disagree 1 2 3 4 5 6 7 Agree

I understand chemistry better because of the lab activities

Disagree 1 2 3 4 5 6 7 Agree

I will enjoy the laboratory activities

Disagree 1 2 3 4 5 6 7 Agree

I enjoy thinking about chemistry outside of my course work

Disagree 1 2 3 4 5 6 7 Agree

I feel well-prepared for this course

Disagree 1 2 3 4 5 6 7 Agree

I can handle dealing with academic setbacks

Disagree 1 2 3 4 5 6 7 Agree

I am generally curious about chemistry

Disagree 1 2 3 4 5 6 7 Agree

I feel confident in my ability to complete my chemistry course with a passing grade

Disagree 1 2 3 4 5 6 7 Agree

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	<u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u>	hard
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