Name:	

## **CHEMISTRY IS**

hard	1 2 3 4 5 6 7 middle	easy	1.
beneficial	1 2 3 4 5 6 7	worthless	2.
boring	_1_ _2_ 3  4_ _5_ 6_ _7_	exciting	3.
simple	_12_ <u> _3</u>  _4567	complicated	4.
clear	_1_2_3   4_5_6_7_	confusing	5.
bad	1   2   3   4   5   6   7   middle	good	6.
frustrating	1   2   3   4   5   6   7	satisfying	7.
fun	1 2 3 4 5 6 7	scary	8.
incomprehensible	_1_2_3_4_5_6_7_	comprehensible	9.
not challenging	_12_ <del> </del> 3 _45_67_	challenging	10.
unpleasant	1 2 3 4 5 6 7	pleasant	11.
dull	middle 1 2 3 4 5 6 7	interesting	12.
attractive	1_1_2_3_4_5_6_7_	disgusting	13.
uncomfortable	1 2 3 4 5 6 7	comfortable	14.
useless	1 2 3 4 5 6 7	worthwhile	15.
play	1 2 3 4 5 6 7	work	16.
organized	middle  _1_ _2_ 3   4_ _5_ 6_ 7_	chaotic	17.
dangerous	1 2 3 4 5 6 7	safe	18.
relaxed	_1_2_3 4_5_6_7_	tense	19.
secure	_1 _2 _ 0 _ 4 _ 5 _ 6 _ 7 _	insecure	20.

Name:		

I interact with my instructe	or		^							
Infrequently	1	2	$\sqrt{3}$	4	5	6	7	Frequently		
In class, I ask questions			$\cup$							
Infrequently	1	2	3	4	5	6	7	Frequently		
In class, I interact with my peers										
Infrequently	1	2	$\binom{3}{}$	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	<i>(</i> †	4	5	6	7	Frequently		
The amount of work in thi	s course	will be	e challengi	ng						
Disagree	1	2	(3)	4	5	6	7	Agree		
The course content will be	difficult	for m	ne 🔊							
Disagree	1	2	(3)	4	5	6	7	Agree		
The structure of the class	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		4	5	6	7	Agree		
For this item, circle the nu	mber tw	10	`\							
Disagree	1	2	(3)	4	5	6	7	Agree		

The concept	s from the lecti	ure port	ion of ‡	be course	connec	t to the	lab porti	on	
	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 think	ing about chem	istry ou	tside of	my cour	se work				
I	Disagree	1	2	(3)	4	5	6 .	7	Agree
I feel well-pr	epared for this	course							
1	Disagree	1	2	$\binom{3}{3}$	4	5	6	7	Agree
I can handle	dealing with ac	ademic	setback						
I	Disagree	1	2	3)	4	5	6	7	Agree
I am general	I am generally curious about chemistry								
1	Disagree	1	2	3	4	5	6	7	Agree
I feel confide	ent in my ability	to com	plete p	hemis	try cour	se with a	passing	grade	
I	Disagree	1	2	<b>3</b> )	4	5	6	7	Agree

Name:				

## **CHEMISTRY IS**

1.	easy	1 2 3 4 5 6 7	hard
2.	worthless	middle  _1_ _2 _3_ _4_ _5_ _6_ _7_	beneficial
3.	exciting	_1234567	boring
4.	complicated	1_1_3_4_5_6_7_	simple
5.	confusing	_1_ 2  3_ _4_ 5_ 6_ 7_	clear
6.	good	1 3 4 5 6 7 middle	bad
7.	satisfying	_1134567_	frustrating
8.	scary	_11234567	fun
9.	comprehensible	_12_34567	incomprehensible
10.	challenging	_1_2_3_4_5_6_7_	not challenging
11.	pleasant	1 2 3 4 5 6 7 middle	unpleasant
12.	interesting	1_1_2 _3_1_45_67_	dull
13.	disgusting	1_1_3_4_5_6_7_	attractive
14.	comfortable	1 3 4 5 6 7	uncomfortable
15.	worthwhile	1 2 3 4 5 6 7	useless
16.	work	1 2 3 4 5 6 7	play
17.	chaotic	middle  _1_ _2  _3_ _4_ _5_ _6_ _7_	organized
18.	safe	1 2 3 4 5 6 7	dangerous
19.	tense	_1_Q34567_	relaxed
20.	insecure	1   (2)   3   4   5   6   7	secure

Name:			
Name.	 		

_		_								
I interact with my instruct	I interact with my instructor									
Infrequently	1	$\binom{2}{2}$	3	4	5	6	7	Frequently		
In class, I ask questions										
Infrequently	1	<b>(2)</b>	3	4	5	6	7	Frequently		
In class, I interact with my	In class, I interact with my peers									
Infrequently	1	(2)	3	4	5	6	7	Frequently		
I am motivated to learn ch	nemistr	γ <b>^</b>								
Infrequently	1	1	3	4	5	6	7	Frequently		
I have trouble focusing in	my che	mistry cla	ss							
Infrequently	1	0	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	regular									
Infrequently	1	$\binom{2}{2}$	3	4	5	6	7	Frequently		
The amount of work in thi	s cours	se will be o	challengi	ng						
Disagree	1	(2)	3	4	5	6	7	Agree		
The course content will be	difficu	ult for me								
Disagree	1	(3)	3	4	5	6	7	Agree		
The structure of the class supports the learning of chemistry										
Disagree	1	$\binom{2}{2}$	3	4	5	6	7	Agree		
I will enjoy the course ove	rall	آ~								
Disagree	1	(2)	3	4	5	6	7	Agree		
For this item, circle the nu	mber t	:wo								
Disagree	1	$\binom{2}{2}$	3	4	5	6	7	Agree		

The conce	pts from the lect	ure po	rtion of th	ne course	e connec	t to the	lab port	ion	
	Disagree	1	$\binom{2}{2}$	3	4	5	6	7	Agree
I understar	nd chemistry bet	ter be	cause of ti	he lab ac	tivities				
	Disagree	1	$\binom{2}{2}$	3	4	5	6	7	Agree
I will enjoy	the laboratory a	activitie	es 🕿						
	Disagree	1	$\binom{2}{2}$	3	4	5	6	7	Agree
I enjoy thin	iking about chen	nistry c	outside of	my cour	se work				
	Disagree	1	2	3	4	5	6 .	7	Agree
ا feel well-	prepared for this	course	e _						
	Disagree	1	2	3	4	5	6	7	Agree
I can handle	e dealing with a	cademi	ic setback	S					
	Disagree	1	(2)	3	4	5	6	7	Agree
I am genera	ally curious abou	ıt chen	nistry						
	Disagree	1		3	4	5	6	7	Agree
I feel confid	dent in my ability	to co	mplote m	y chemis	try cour	se with	a passin	g grade	
	Disagree	1	(2)	3	4	5	6	7	Agree

relaxed

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

6

20.

insecure

Name:		

	_		_						
I interact with my instructor									
	Infrequently	1	2	3	4	5	6	7	Frequently
In class, I a	sk questions								
	Infrequently	1	2	3		5	6	7	Frequently
In class, I in	nteract with my	peers			<b>6</b>				
	Infrequently	1	2	3	(' <sub>4</sub> )	5	6	7	Frequently
I am motiv	I am motivated to learn chemistry								
	Infrequently	1	2	3	(4)	5	6	7	Frequently
I have trou	ible focusing in r	ny chem	nistry cla	SS	~				
	Infrequently	1	2	3	$\binom{4}{}$	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 r	egularly	•		<b>O</b> 0				
	Infrequently	1	2	3	/4	5	6	7	Frequently
The amour	nt of work in this	s course	will be o	challer	iging				
	Disagree	1	2	3	(4)	5	6	7	Agree
The course	content will be	difficult	for me						
	Disagree	1	2	3		5	6	7	Agree
The structu	The structure of the class supports the learning of chemistry								
	Disagree	1	2	3	<b>4</b>	5	6	7	Agree
I will enjoy	the course over	rall			<i>∽</i>				
	Disagree	1	2	3	(4)	5	6	7	Agree
For this ite	m, circle the nu	mber tw	0						
	Disagree	1	2	3	<b>7</b>	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 understar	nd chemistry bet	ter beca	use of t	he lab	ctivities				
	Disagree	1	2	3	4	5	6	7	Agree
I will enjoy	the laboratory a	activities			U				
	Disagree	1	2	3		5	6	7	Agree
I enjoy thinking about chemistry outside of my course work  Disagree 1 2 3 4 5 6 7 Agree									
	Disagree	1	2	3	<b>4</b>	5	6 .	7	Agree
ا feel well-ہ	prepared for this	course							
	Disagree	1	2	3	<b>4</b> )	5	6	7	Agree
I can handl	e dealing with a	cademic	setback	S					
	Disagree	1	2	3	(4)	5	6	7	Agree
l am genera	ally curious abou	ıt chemi:	stry		A				
	Disagree	1	2	3	(4)	5	6	7	Agree
l feel confic	dent in my ability	to com	plete m	y chem	ist x cour	se with	a passin	g grade	
	Disagree	1	2	3		5	6	7	Agree

Name:				

		CHEMISTRY IS	
1.	easy	1 2 3 4 5 6 7	hard
2.	worthless	middle	beneficial
3.	exciting	_1_2_3_4_3_6_7_	boring
4.	complicated	1_1_2_3_4_1_1_6_7_	simple
5.	confusing	_112344_367	clear
6.	good	_1_ 2_ 3_ 4_ 3_ 6_ 7_  middle	bad
7.	satisfying	1 2 3 4 5 6 7	frustrating
8.	scary		fun
9.	comprehensible	<u>_1_2_3_4_6_6_7_</u>	incomprehensible
10.	challenging	<u>  1   2   3   4   5   6   7  </u>	not challenging
11.	pleasant	1 2 3 4 5 6 7	unpleasant
12.	interesting	middle  12345   _67	dull
13.	disgusting	_1_2_3_4_6_6_7_	attractive
14.	comfortable	1 2 3 4 5 6 7	uncomfortable
15.	worthwhile	1 2 3 4 5 6 7	useless
16.	work	1 2 3 4 5 6 7	play
17.	chaotic	middle 5 6 7	organized
18.	safe	1 2 3 4 5 6 7	dangerous
19.	tense	_12345767_	relaxed
20.	insecure	_1_2_3_4_6_7_	secure

Name:		

	_		_						
I interact with my instructor									
	Infrequently	1	2	3	4	<b>5</b>	6	7	Frequently
In class, I a	isk questions					A			
	Infrequently	1	2	3	4	(5)	6	7	Frequently
In class, I i	nteract with my	peers				~			
	Infrequently	1	2	3	4	<b>(5)</b>	6	7	Frequently
I am motiv	ated to learn ch	emistry				^			
	Infrequently	1	2	3	4	(5)	6	7	Frequently
I have trou	ible focusing in r	ny chem	istry cla	SS		À			
	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 r	egularly	ı			6			
	Infrequently	1	2	3	4	(5)	6	7	Frequently
The amou	nt of work in this	s course	will be o	challeng	ing				
	Disagree	1	2	3	4	<b>(5)</b>	6	7	Agree
The course	content will be	difficult	for me			$\wedge$			
	Disagree	1	2	3	4	(5)	6	7	Agree
The struct	The structure of the class supports the learning of chemistry								
	Disagree	1	2	3	4	(5)	6	7	Agree
I will enjoy	the course over	rall				<u> </u>			
	Disagree	1	2	3	4	(3)	6	7	Agree
For this ite	m, circle the nu	mber tw	О			$\sim$			
	Disagree	1	2	3	4	(5)	6	7	Agree

The conce	The concepts from the lecture portion of the course connect to the lab portion								
	Disagree	1	2	3	4	5	6	7	Agree
I understar	nd chemistry bet	ter beca	use of th	ne lab ac	tiviti	es			
	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 thin	I enjoy thinking about chemistry outside of my course work								
	Disagree	1	2	3	4	<b>(3)</b>	6 .	7	Agree
ا feel well-ب	orepared for this	course				O			
	Disagree	1	2	3	4		6	7	Agree
I can handl	e dealing with ac	cademic	setback	5					
	Disagree	1	2	3	4	7	6	7	Agree
I am genera	ally curious abou	t chemis	stry			Ų			
	Disagree	1	2	3	4	$Q_{s}$	6	7	Agree
I feel confident in my ability to complete my chemistry course with a passing grade									
	Disagree	1	2	3	4	6	6	7	Agree

Name:	

## **CHEMISTRY IS**

1.	easy	1 2 3 4 5 6 7	hard
2.	worthless	middle  _1_ _2_ _3_ _4_ _5_ 67	beneficial
3.	exciting	_12345_ <del>6</del>	boring
4.	complicated	_1_2_3_4_5_6 _7_	simple
5.	confusing	_123456	clear
6.	good	_1_ _2_ _3_ _4_ _5_ _3_ _7_  middle	bad
7.	satisfying	1_1_2_3_4_5_6_7_	frustrating
8.	scary	_12345_67_	fun
9.	comprehensible	_1_2_3_4_5_7_7_	incomprehensible
10.	challenging	[_123456]7	not challenging
11.	pleasant	1 2 3 4 5 6 7 middle	unpleasant
12.	interesting	1 2 3 4 5 5 7	dull
13.	disgusting	1 2 3 4 5 6 7	attractive
14.	comfortable	1 2 3 4 5 7	uncomfortable
15.	worthwhile	1 2 3 4 5 6 7	useless
16.	work	1 2 3 4 5 6 7	play
17.	chaotic	middle  _12345_6_7_	organized
18.	safe	_1_2_3_4_5_6_7_	dangerous
19.	tense		relaxed
20.	insecure	1   2   3   4   5   6   7	secure

Name:		

	_		_						
I interact with my instructor									
	Infrequently	1	2	3	4	5	(T)	7	Frequently
In class, I ask questions									
	Infrequently	1	2	3	4	5	<i>(</i>	7	Frequently
In class, I interact with my peers									
	Infrequently	1	2	3	4	5	(b)	7	Frequently
I am motiv	ated to learn ch	emistry					$\sim$		
	Infrequently	1	2	3	4	5	(b)	7	Frequently
I have trou	ible focusing in r	ny chem	istry cla	ss			7		
	Infrequently	1	2	3	4	5	(6)	7	Frequently
I feel the d	ifferent topics to	aught in	chemist	ry are co	onnecte	d to ea	ach other		
	Infrequently	1	2	3	4	5	(9)	7	Frequently
I am likely	to attend class r	egularly					3		
	Infrequently	1	2	3	4	5	<u>6</u>	7	Frequently
The amour	nt of work in this	s course	will be o	hallengi	ing				
	Disagree	1	2	3	4	5	(b)	7	Agree
The course	content will be	difficult	for me						
	Disagree	1	2	3	4	5	$\binom{6}{}$	7	Agree
The structure of the class supports the learning of chemistry									
	Disagree	1	2	3	4	5	$\binom{6}{}$	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	<b>6</b>	7	Agree

The conce	pts from the lect	ure port	ion of th	ne course	e conne	ct to t	he lab port	ion	
	Disagree	1	2	3	4	5	$\binom{6}{6}$	7	Agree
I understand chemistry better because of the lab activities									
	Disagree	1	2	3	4	5		7	Agree
I will enjoy	the laboratory a	ctivities					$\nearrow$		
	Disagree	1	2	3	4	5	6	7	Agree
I enjoy thin	nking about chen	nistry ou	itside of	my cour	se work		<b>*</b>		
	Disagree	1	2	3	4	5	( <sub>6</sub> )	7	Agree
ا feel well-	orepared 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	(F)	7	Agree

		×.		