Name:			
Date Started:	Date Completed:	Score:	



Learning Activity Sheet Heat and Temperature at the Molecular Level

Treat and Temperature at the Molecular Level								
Directions: Read each item care	efully. Circle the letter	of the correct answ	er.					
1. Which of the following pairs a	re mismatched?							
A. heat: joule		C. tem	perature: Kelvin					
B. electric charge: calori	e		stance: ohm					
		enheit scales, are used	d to measure the same temperature.					
How will you describe the value	ue of the Fahrenheit the	rmometer?						
A. It is less than that of t	he Celsius thermometer							
B. It is greater than that of	of the Celsius thermome	eter.						
C. It is proportional to the	at of the Celsius thermo	ometer.						
D. It may be greater or le	ess than that of the Cels	ius thermometer.						
3. A school nurse records a studer	nt's body temperature as	s 311.5 K. Does the s	tudent have a fever?					
A. Yes, because the stude								
B. No, because the stude	, ,							
C. No, because the stude	• •							
D. Yes, because the stude								
=	_	-	t they can tolerate. The label in an aeros	sol can				
shows a temperature of 130°F.		•						
A. 54°C	B. 72°C	C. 90°C	D. 100°C					
5. Which of the following is NOT	-							
A. cal	B. °C	C. °F	D. K					
6. The specific heat of water is 1.	-	e following is true al	oout this?					
A. A gram of water need								
B. To have 1.00 calorie,								
C. To raise its temperature								
D. To raise its temperatu			of heat.					
7. Which of the following is TRU								
A. An absolute scale can	_	-						
B. When an object reach								
C. On the absolute scale, D. All of the statements	=	iperature is 0 K.						
8. What is the normal body temper								
A. 2.78°F	B. 52.56°F	C. 98.6°F	D. 310.15°F					
			What is this temperature in Kelvin?					
A. 233 K	B. 253 K	C. 303 K	D. 313 K					
			nange in length of a 7.50-meter rod if it	wac				
heated from 25°C to 90°C?	iision of hon is 11 ^ 10-	-0/ C. What is the ci	lange in length of a 7.30-meter for it it	was				
A. 2.2 × 10–2 m	B. 4.0 × 10–3 m	C. $5.4 \times 10-3$ n	D. $8.8 \times 10-4 \text{ m}$					
A. 2.2 ^ 10-2 m	D. 4.0 ^ 10-5 III	C. J.4 ^ 10-J II	D. 0.0 ^ 10-7 III					