Name	Class	Date

CHAPTER

ACTIVITY • What Is Heat?

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Comparing Fahrenheit, Celsius, and Kelvin Temperature Scales

Answer the following questions by using the chart of the three temperature scales on the next page. Use a straight edge to read the corresponding values of the three scales.

1. At what temperature does water freeze on the Fahrenheit scale? __

	On the Celsius scale?
	On the Kelvin scale?
2.	At what temperature does water boil on the Celsius scale?
	On the Kelvin scale?
	On the Fahrenheit scale?
3.	The weather forecaster predicts that today's high will be 70°. Which temperature
	scale is being used?
	What would be the corresponding temperatures on the other two
	scales?
4.	"It was so cold yesterday that the temperature only reached 275°!" Which
	temperature scale is being used?
	What would be the corresponding temperatures on the other two
	scales?
5.	"Today's temperature of 42° in Chicago set a record high for the month of August."
	Which temperature scale is being used?
	What would be the corresponding temperatures on the other two
	scales?

	Fahrenheit	Celsius	Kelvin
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	60		
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	110	40	313
	120		
	130	50	323
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	140	60	333
	150		
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	170		
	180	80	353
	190		
	200	90	363
	210	100	070
Vater boils ——	212	100	373