l	Data	Class
lame	Date	Cld22

Key Concept Builder 🗁

LESSON 1

Thermal Energy, Temperature, and Heat

Key Concept How do heat and thermal energy differ?

Directions: Complete the chart by writing each phrase or statement under the correct heading. Some phrases of statements may be used more than once.

All objects do not have heat.

the movement of thermal energy from a warmer object to a cooler object Since particles that make up matter are in constant motion, they have energy. All objects have thermal energy.

the sum of kinetic energy and the potential energy in the particles that make up a material

When you heat something, thermal energy transfers from one object to another.

Thermal Energy		. Heat					
			± ₹				
•	, 34			Q.			
**	4 8						
•	Differences						
-				R			
	SA V.		.*				
Similarities							
10 No	¥						

Key Concept Builder 🗁



LESSON 1

Thermal Energy, Temperature, and Heat

Key Concept How are temperature and kinetic energy related?

Directions: Complete the chart with the correct information in the space provided.

Term	Definition	Characteristics
Kinetic energy	Ac appear transfer process	2. 1 in the market com
teg tefritage erm		
	7 - 1 - 2 - 3 - 4 - 4 - 4 - 4 - 4 - 4	ed to waste a see the lates of
Temperature	3.	4 in F. Cycle
19	į.	

Directions: On each line, write the phrase that correctly completes each sentence.

- 5. If the average kinetic energy of the air is high, then
- 6. If the average kinetic energy of the air is low, then
- 7. A location's temperature is warm if the particles that make up the air have
- 8. The temperature is cold if
- 9. Temperature is represented by