Name:	Date:



INTRODUCTION TO THERMAL ENERGY

1. All matter has thermal energy bec	cause atoms are constantly _	
2. Which would have more thermal e		rature water or a cup of cold water?
3. Removing thermal energy from lic		inge to what state?
4. Give two everyday examples of th	ne thermal energy of a substa	nce being increased.
a		
b		
5. Give two everyday examples of the	ne thermal energy of a substa	nce being decreased.
a		
b		
6. In which substance are molecules	s moving the fastest?	
a. Solid water (ice)	b. Liquid water	c. Water vapor (gas)
7. Hand warmers and instant cold packs use that release or absorb thermal energy		
8. If you sprain your ankle and place	a cold pack on it, in which d	irection does thermal energy move?
		the motion of molecules in your ankle
change?		
10. An inflated balloon placed in a fr	reezer would get (smaller or la	arger)
because the air molecules in the	balloon would (speed up or s	slow down)

© 2020 Generation Genius, Inc.