

Name _____ Sci # _____

States of Matter Pre-Test

Use the following terms to fill in the blank lines below

Terms: Solid, crystalline, amorphous, Liquid, Viscosity, Gas, Non-Newtonian, exothermic, endothermic, melting, vaporization, sublimation, condensation, freezing

- _____ 1 the change of state from a liquid to a solid
- _____ 2 the change of state from a liquid to a gas
- _____ 3 the change of state from a solid directly to a gas
- _____ 4 a liquid's resistance to flow
- _____ 5 a type of solid with atoms in a very orderly arrangement
- _____ 6 a type of solid with atoms in no particular order
- _____ 7 the state of matter which has a definite shape and volume
- _____ 8 the state of matter which has a definite volume, but pours to fill and take the shape of the bottom of any container
- _____ 9 the type of reaction where thermal energy enters a reaction
- _____ 10 the type of reaction where thermal energy exits a reaction
- _____ 11 the state of matter which has an indefinite shape and indefinite volume
- _____ 12 this type of fluid's viscosity increases when pressure is applied
- _____ 13 the change of state from a solid to a liquid
- _____ 14 the change of state from a gas to a liquid

True/False

- 15 _____ It is possible to walk on custard.
- 16 _____ Viscosity increases when temperature rises.
- 17 _____ cornstarch and water make a non-newtonian fluid

Reaction	Starting state	Ending state	Exothermic or Endothermic
sublimation	Solid		Endothermic
vaporization		gas	
	Liquid	Solid	
condensation			
	Solid	Liquid	

Essay (no less than 2 sentences)

Explain what happens when a ice cube is left on the table for several hours.

Make sure to use the following terms from the chapter in your response: solid, gas, endothermic reaction, vaporization