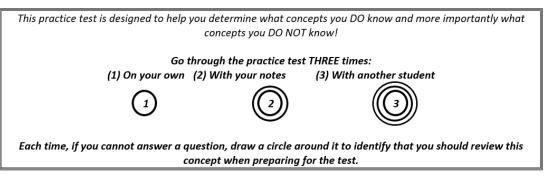
States of Matter Practice Quiz

Name: Date: Block:



Multiple Choice: Choose the best option

___1.In a gas...

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- A. particles have very large spaces between them.
- B. particles can move freely in all directions.
- C. particles vibrate in a fixed position.
- D. particles have no motion.

_2.Which of the following statements regarding the Particle Model of Matter is false?

- A. There are spaces between the particles
- B. Particles are constantly moving
- C. Particles are attracted to each other
- D. Particles are small, but it is possible to see them if we squint
 - _3. When energy is added to an object, the particles will...
- A. Slow down
- B. Speed up
- C. Stay the same speed
- D. Stop
 - _4. Which of the following has a fixed mass?
- A. Solids
- B. Liquids
- C. Gases
- D. All of the above
- ___5. Why do solids have a fixed mass, volume, and shape?
- A. The particles are too heavy to move
- B. The particles are stubborn
- C. The particles are lazy
- D. The particles are packed closely together

- _6. Water boiling is an example of which type of change in state?
- A. Evaporation
- B. Condensation
- C. Sublimation
- D. Deposition

_____7. When it is hot outside, the red liquid inside the thermometer rises. This is due to...

- A. Evaporation
- B. Thermal expansion
- C. Particles get larger and larger
- D. Thermal contraction

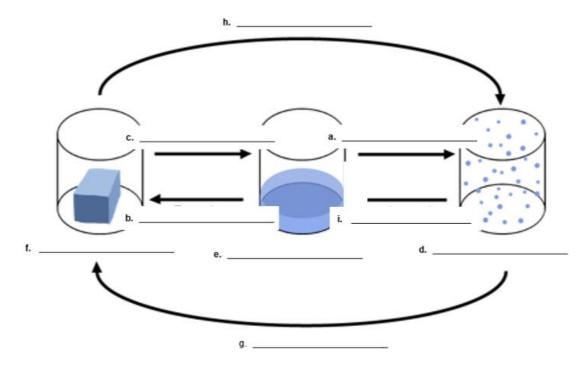
Short Answer

8. On highways and busy roads there are expansion joints. Theses sections are needed during the summer when the pavement of the highways or roads expand over time. Explain why the pavement expands during the summer time.

Change of State	Initial State of Matter	Final State of Matter	Kinetic Energy Change
Melting			Adding Kinetic Energy
Condensation			
Solidification/ Freezing			Removing Kinetic Energy
Evaporation	Liquid		
Deposition			
Sublimation		Gas	

9. Complete the following table:

10. Label the following diagram:



Identify the change of state occurring in the following descriptions:

- 1. Morning dew forming on the grass.
- 2. Fog in the air. _____

3. Freeze drying food (removing all the liquid water in food).

- 4. Lava hardens into solid rock.
- 5. Wet hair drying after time. _____

6. Snow forming on a cold winter day. _____

7. A solid piece of butter resting on a hot pan turns into a liquid.