Physical States of Matter

Directions: Read each question carefully and circle the best answer.

1. What are the three main states of matter?
   a. solid, air, and water
   b. solid, liquid, and gas
   c. matter, mass, and volume
2. Which state of matter has particles that are packed tightly together and only vibrate in place?
   a. solid
   b. liquid
   c. gas
3. A substance that has no fixed shape or volume and whose particles move freely is a ...
   a. solid
   b. liquid
   c. gas
4. What happens when you add enough heat to a solid?
   a. It evaporates into a gas.
   b. It melts into a liquid.
   c. It freezes into a liquid.
5. What is the process called when a liquid changes into a gas?
   a. melting
   b. freezing
   c. evaporation
6. What is one thing you know about the changing states of matter?

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7. What is one question you still have?

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