

States of matter

(Homework due: 10 Nov '18)

1. How do particles move in a substance in the solid state?
 - They vibrate about fixed positions
 - They move around, sliding over each other
 - They move randomly in all directions
2. What is the name of the change of state from gas to liquid?
 - Evaporating
 - Boiling
 - Condensing
3. What causes the pressure that a gas exerts?
 - Collisions with the particles on the walls of the container
 - The charge of the particles
 - The size of the particles
4. Which of these statements is always true?
 - A pure substance contains only one type of atom or molecule
 - A pure substance is healthy
 - A pure substance is expensive
5. How does thermal energy change states of matter? Explain using key words vibrations and molecular bonds.