Kinetic Molecular Theory of Matter Exit Quiz

1. Decide if the following are true or false.
   a. Solids possess a greater level of kinetic energy than gases.
   b. The forces which hold a liquid together are weaker than those which hold a solid together.
   c. Some solids exist in a regular structure known as a lattice.
   d. Gases have a fixed shape when in a container.

2. Decide whether energy needs to added or removed for each of the following changes of state.
   a. Condensation
   b. Melting
   c. Vaporisation
   d. Deposition

3. Decide which of the properties described below can be attributed to solid, liquid or gas. (Note some properties will be relevant for more than one state.)
   a. Can be compressed
   b. Requires large amounts of energy input in order to change state.
   c. Particles are isolated
   d. Fits the shape of the container
Kinetic Molecular Theory of Matter  Exit Quiz

1. Decide if the following are true or false.

   a. Solids possess a greater level of kinetic energy than gases.  **False**
   b. The forces which hold a liquid together are weaker than those which hold a solid together.  **True**
   c. Some solids exist in a regular structure known as a lattice.  **True**
   d. Gases have a fixed shape when in a container.  **False**

2. Decide whether energy needs to added or removed for each of the following changes of state.

   a. Condensation  **removed**
   b. Melting  **added**
   c. Vaporisation  **added**
   d. Deposition  **removed**

3. Decide which of the properties described below can be attributed to solid, liquid or gas.  
   (Note some properties will be relevant for more than one state.)

   a. Can be compressed  **liquids and gases**
   b. Requires large amounts of energy input in order to change state.  **solids**
   c. Particles are isolated  **gases**
   d. Fits the shape of the container  **liquids and gases**