

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**