

Mix and Flow of Matter

Topic 1 - Matter on the Move Practice Quiz

1. The particles are vibrating in place and the substance has a definite shape and volume. The state of matter is ...

solid

liquid

gas

plasma

2. The particle model involves all of these key ideas, EXCEPT ...

All substances have tiny particles

All particles in any substance are the same

All particles have spaces between them

All particles are attracted to one another

3. These particles do not form rigid clumps. They can slip past each other. Because of this the particles cannot hold their shape. The state of matter described is ...

solid

liquid

gas

plasma

4. When a substance, such as water, undergoes a change of state directly from a liquid to a gas, it is called ...

sublimation

condensation

vaporization

solidification

5. Every substance has its own freezing point and melting point. However, some substances can change directly from a solid to a gas. This transformation is called ...

solidification

condensation

vaporization

sublimation

Check your
Answers

Mix and Flow Of Matter

Topic 1 - Matter on the Move Practice Quiz (Answers)

1. The particles are vibrating in place and the substance has a definite shape and volume. The state of matter is ...
solid
(Text p. 7) The particles in a solid don't appear to move, because they are so tightly packed together.
 liquid
 gas
 plasma
2. The particle model involves all of these key ideas, EXCEPT ...
 All substances have tiny particles
All particles in any substance are the same
(Text p. 8) All particles in pure substances are the same, different pure substances are made of different particles.
 All particles have spaces between them
 All particles are attracted to one another
3. These particles do not form rigid clumps. They can slip past each other. Because of this the particles cannot hold their shape. The state of matter described is ...
 solid
liquid
(Text p. 8) Liquid particles can slip past each other, because of the spaces between the particles.
 gas
 plasma

4. When a substance, such as water, undergoes a change of state directly from a liquid to a gas, it is called

X **sublimation**

X **condensation**

vaporization

(Text p. 11) Figure 1.2 When water transforms from a liquid to a gas, it is vaporization.

X **solidification**

5. Every substance has its own freezing point and melting point. However, some substances can change directly from a solid to a gas. This transformation is called ...

X **solidification**

X **condensation**

X **vaporization**

sublimation

(Text p. 11) Figure 1.2 When a solid transforms directly into a gas, it is called sublimation.