

Changes in State
Science Ch. C1, Lesson 2, P. c14-19

I. Three States of Matter

A. There are three states of matter.

1. _____
2. _____
3. _____
4. _____
5. _____

II. Particles of matter

A. You can understand the differences in states of matter if you think about matter as particles in motion

1. _____
2. _____
3. _____

B. In a solid, particles are very close together.

1. _____
2. _____
3. _____
4. _____

C. In a liquid, particles are not packed together so tightly.

1. _____
2. _____
3. _____
4. _____

D. Particles in a gas are packed together the least.

1. _____
2. _____
3. _____
4. _____

III. Changes Between States

A. All substances can change states.

1. _____
2. _____

B. Freezing and melting are two ways of changing of state.

1. _____
2. _____

C. Boiling changes a liquid to a gas.

1. _____
2. _____

D. Condensation changes a gas to a liquid.

1. _____
2. _____
3. _____

E. Sublimation is the changing of a solid to a gas.

1. _____
2. _____
3. _____

F. Changes in state do not change a substance.

1. _____
2. _____

Number/Name: _____

Date: _____

G. Changes in state occur when heat is added or removed.

1. _____
2. _____
3. _____
4. _____

IV. Melting and Boiling Points.

A. Water freezes at 0°C (32°F).

1. _____
2. _____
3. _____

B. Every substance has its own freezing point.

1. _____
2. _____

C. Not all freezing points are cold temperatures.

1. _____
2. _____
3. _____
4. _____

D. The boiling point is the temperature at which a substance changes from a liquid to a gas.

1. _____
2. _____
3. _____
4. _____

