

# True Or False Matter Quiz

- 1) Matter exists in three states - solid, liquid, and gas. \_\_\_\_\_
- 2) Solids have a definite shape and volume. \_\_\_\_\_
- 3) Liquids have a definite shape but no definite volume. \_\_\_\_\_
- 4) Gas has no definite shape or volume. \_\_\_\_\_
- 5) The process of changing a solid to a liquid is called melting. \_\_\_\_\_
- 6) The process of changing a liquid to a solid is called freezing. \_\_\_\_\_
- 7) The process of changing a liquid to a gas is called evaporation. \_\_\_\_\_
- 8) The process of changing a gas to a liquid is called condensation. \_\_\_\_\_
- 9) Water is the only substance that can exist in all three states of matter at normal temperatures and pressures. \_\_\_\_\_
- 10) At room temperature, most metals are in the solid state.
- 11) Solids are compressible and can be squeezed into smaller shapes.
- 12) Liquids are not compressible and can't be squeezed into smaller shapes.
- 13) Gas particles move faster than particles in solids or liquids.
- 14) Heat energy can cause a solid to become a liquid.
- 15) Matter cannot be created or destroyed, only transformed from one state to another.

# True Or False Matter Quiz

## ANSWERS:

- 1) Matter exists in three states - solid, liquid, and gas. (True)
- 2) Solids have a definite shape and volume. (True)
- 3) Liquids have a definite shape but no definite volume. (False)
- 4) Gas has no definite shape or volume. (True)
- 5) The process of changing a solid to a liquid is called melting. (True)
- 6) The process of changing a liquid to a solid is called freezing. (True)
- 7) The process of changing a liquid to a gas is called evaporation. (True)
- 8) The process of changing a gas to a liquid is called condensation. (True)
- 9) Water is the only substance that can exist in all three states of matter at normal temperatures and pressures. (False)
- 10) At room temperature, most metals are in the solid state. (True)
- 11) Solids are compressible and can be squeezed into smaller shapes. (False)
- 12) Liquids are not compressible and can't be squeezed into smaller shapes. (True)
- 13) Gas particles move faster than particles in solids or liquids. (True)
- 14) Heat energy can cause a solid to become a liquid. (True)
- 15) Matter cannot be created or destroyed, only transformed from one state to another. (True)