

## States of Matter Vocab Words

**1. States/Phases of Matter:** Different forms in which matter can exist. Example: Ice cube (solid), water (liquid), and water vapor (gas).

**2. Solid:** Matter that has a fixed volume and a fixed shape.

**3. Liquid:** Matter that has a fixed volume but not a fixed shape. A liquid takes the shape of its container.

**4. Gas:** Matter that has neither a fixed volume nor a fixed shape. A gas takes both the volume and the shape of its container. It spreads out to take up all available space.

**5. Energy:** The ability to cause changes in matter.

**6. Condensation:** The process in which a gas changes to a liquid.

**7. Evaporation:** A liquid changes to a gas without boiling.

**8. Vaporization:** The process in which a liquid boils and changes to a gas.

**9. Freezing:** The process in which a liquid changes to a solid.

**10. Melting:** The process in which a solid changes to a liquid.

**11. Temperature:** Average energy of the particles of matter.

**12. Pressure:** The amount of force pushing against a given area

---

## States of Matter Notes

Movement of molecules/atoms of a solid: \_\_\_\_\_

Movement of molecules/atoms of a liquid: \_\_\_\_\_

Movement of molecules/atoms of a gas: \_\_\_\_\_

Changing from one state to another state is a \_\_\_\_\_ change.

*Water is still water whether its ice, water, or water vapor!*

If a new substance is formed it is a \_\_\_\_\_ change.

