

Unit 2 Study Guide

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|---------------|----------|-------------------|-------------|
| gas | crystals | Heat of Fusion | evaporation |
| melting point | plasma | Thermal expansion | Bolye's Law |
| solid | pressure | Charles's Law | sublimation |

1. The change from a solid to a **gas** without becoming a liquid is called _____
2. The state of matter that has a definite shape and a definite volume is _____
3. The state of matter composed of electrically neutral particles that fills whatever space in which it is placed is a _____
4. The energy needed to change from a solid state to the liquid state is called _____
5. Particles of matter arranged in a repeating pattern form _____
6. As the temperature goes up, the volume of matter usually increases. The increase is called _____
7. The force per unit of area is _____
8. A liquid can change into a gas without boiling. This process is called _____
9. The pressure of a gas kept at constant temperature will increase when its volume is decreased. This relationship is described by _____
10. The volume of gas kept a constant pressure will increase when its temperature is increased. This relationship is stated by _____
11. A high energy state of matter the consists of electronically charged particles is a _____
12. The temperature at which a liquid changes into a solid is the _____