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Unit 1: Fundamentals

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| **Across**  **2.** Identifies a specific quantity EX: grams, liters, seconds, hours, etc.  **4.** The smallest unit of matter  **6.** Has a variable shape and a definite volume  **7.** An observation that employs the use of numbers.  **11.** When heat is added to a solid \_\_\_\_\_\_ occurs  **12.** Kinetic energy of a liquid is decreased.  **15.** Identifies the relationship that exists between variables. EX: D= m/v  **16.** The result of kinetic energy being lowered in a gas  **17.** Has a definite volume and a definite shape  **18.** Particles are moderately spaced. MEDIUM potential energy, MEDUIM kinetic energy.  **20.** A fixed quantity that does not change  **21.** Occurs when heat is added to a liquid  **23.** An observation that employs the use of a physical description.  **25.** A reaction that is characterized by the absorption of heat  **26.** A state of matter (solid, liquid, or gas) | **Down**  **1.** A reaction that is characterized by the release of heat (feels cold)  **3.** Requires you to see, smell, touch, hear, and feel  **5.** The transition between a solid and a gas  **8.** Energy of movement  **9.** Describes the amount of mass in a given volume  **10.** Occurs when energy is removed from a gas to form a solid  **13.** Has an variable shape and a variable volume  **14.** Particles are spaced close together and vibrate slowly. HIGH potential energy, LOW kinetic energy.  **19.** Particles are spaced far apart and move quickly. HIGH kinetic energy, LOW potential energy.  **22.** stored energy  **24.** The ability to do work |