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Science Chapter 3 Vocabulary

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| **Across**  **2.** The process that changes a substance from a liquid to a gas at the tempatures below the subatances boliling point  **8.** the phase change in which a gas\ vapor changes directly into a solid without first changing into a liquid  **10.** the result of a force distriuted over an area  **11.** the pressure caused by the collisions of particles in a vapor with the walls of a container  **12.** the stae of matter in which a material gas neither a definite shape nor a definite volume  **14.** the energy an object has due to its motion  **16.** the phase change in which a substance changes from a solid to a gas/vapor without changing to a liquid first  **17.** a description of a change in which a system absorbs energy from its surroundings  **18.** a material has both a definite shape and a definite volume | **Down**  **1.** the phase change in which a substance changes from a gas\ vapor to a liquid  **3.** a temperature at 0 Kelvins  **4.** a reversibale physical change that occurs when a substance changes from one state of matter to another  **5.** the energy a substance must absorb in order to change froma solid to a liquid  **6.** the energy a substance must absorb in order to change from a liquid to gas  **7.** a change in which a system releases energy to its surroundings  **9.** the inverse variation of the volume of a gas with its pressure if the tempature and the numbers of particles are constant  **13.** material has a definite volume but not a definite volume  **15.** the direct porportion of the volume of a gas to its tempature if the pressure and the number of particles of the gas are constant |