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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  |