

Name: _____

Physical Science Chapter 3 Vocabulary Crossword Puzzle

Fill in the vocabulary word that goes with each definition.

The crossword puzzle grid consists of 17 numbered starting points for words:

- 1: Down, 10 squares
- 2: Down, 10 squares
- 3: Across, 10 squares
- 4: Across, 10 squares
- 5: Across, 10 squares
- 6: Down, 10 squares
- 7: Down, 10 squares
- 8: Down, 5 squares
- 9: Across, 10 squares
- 10: Across, 10 squares
- 11: Across, 10 squares
- 12: Across, 10 squares
- 13: Across, 10 squares
- 14: Down, 5 squares
- 15: Across, 10 squares
- 16: Across, 10 squares
- 17: Across, 10 squares

Across

- 3.** the reversible physical change that occurs when a substance changes from one state of matter to another
- 5.** states that the volume of a gas is directly proportional to its temperature in kelvins
- 9.** when a gas or vapor changes directly into a solid without first changing to a liquid
- 11.** states that the volume of a gas is indirectly proportional to its pressure
- 12.** the system releases heat to its surroundings
- 13.** the amount of energy absorbed when a substance melts
- 15.** the lowest temperature possible in which the particles of an object theoretically stop moving; it is zero on the Kelvin scale
- 16.** the energy an object has due to its motion
- 17.** the phase change in which a substance changes from a gas or vapor to a liquid

Down

- 1.** the state of matter in which a material has a definite volume but not a definite shape
- 2.** the phase change in which a substance changes from a solid to a gas or vapor without changing to a liquid first
- 4.** the amount of energy absorbed when a substance vaporizes
- 6.** the phase change in which a substance changes from a liquid into a gas
- 7.** the result of a force distributed over an area
- 8.** the state of matter in which materials have a definite shape and a definite volume
- 10.** the system absorbs energy from its surroundings
- 12.** the process that changes a substance from a liquid to a gas at temperatures below the substance's boiling point
- 14.** the state of matter in which a material has neither a definite shape nor a definite volume