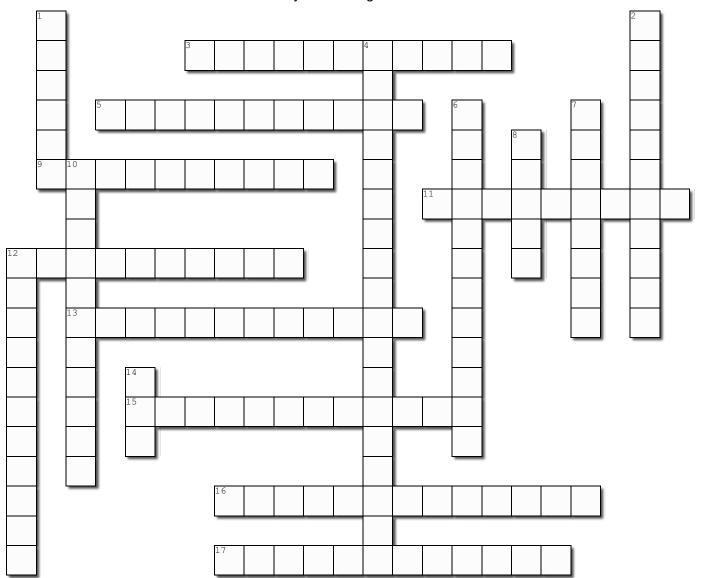
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## Physical Science Chapter 3 Vocabulary Crossword Puzzle Fill in the vocabulary word that goes with each definition.



Created using the Crossword Maker on TheTeachersCorner.net

## **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