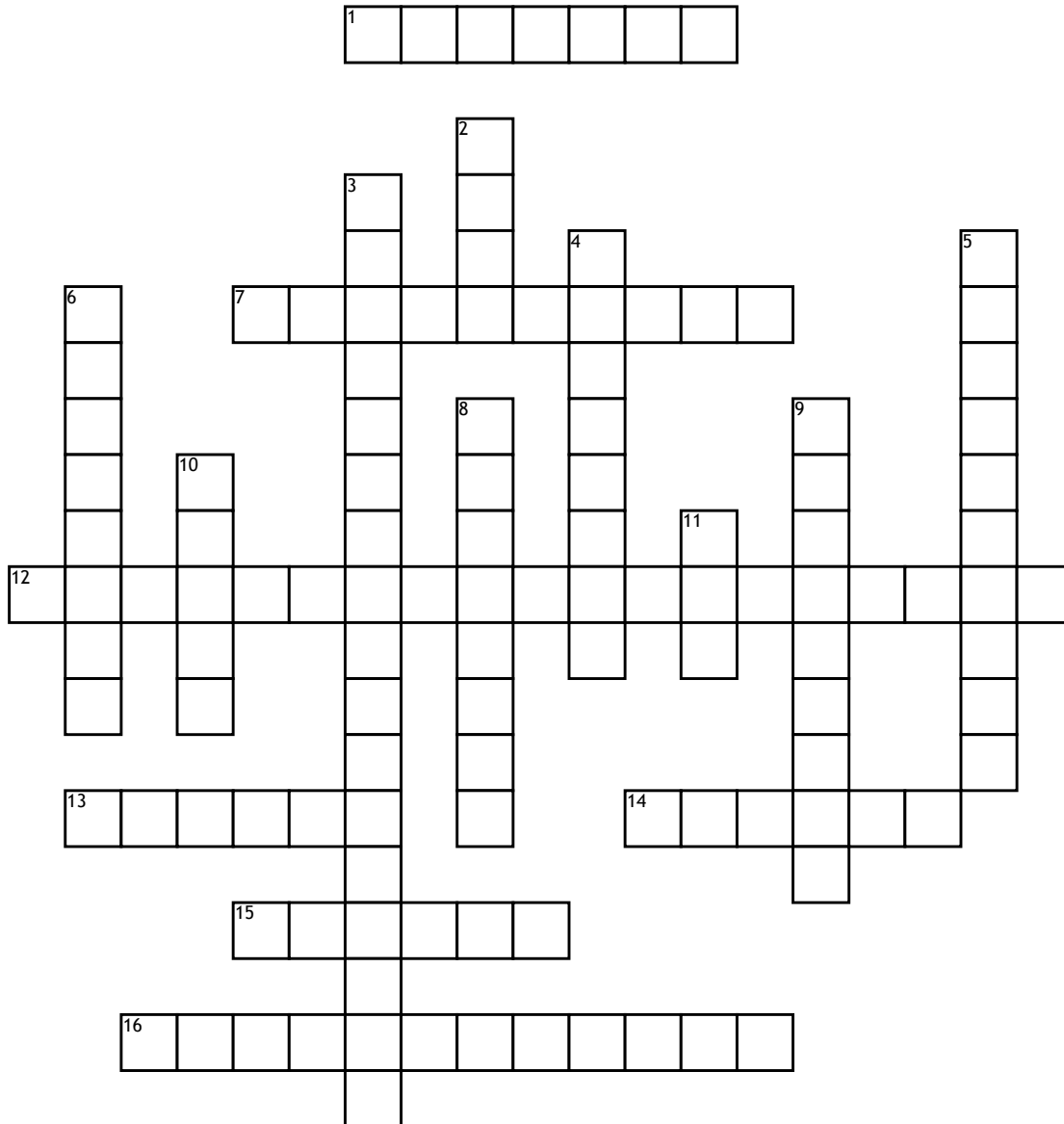


Physcs Vocabulary Project



Across

- 1. systematic knowledge of the physical or material world gained through observation and experimentation
- 7. An educated guess
- 12. the variable that is changed or controlled in a scientific experiment
- 13. any quantity with both a magnitude and a direction
- 14. a well-substantiated explanation of some aspect of the natural world, based on a body of facts that have been repeatedly confirmed through observation and experiment

- 15. quantities that are fully described by a magnitude alone
- 16. the rate of change (or derivative with respect to time) of velocity

Down

- 2. an objective and verifiable observation
- 3. what you measure in the experiment and what is affected during the experiment
- 4. any quantity with both a magnitude and a direction. this has both magnitude and direction.
- 5. machinery and equipment developed from the application of scientific knowledge

- 6. the length of a line between two points, or how far apart two objects are
- 8. downward movement under the force of gravity only
- 9. An objects location relative to a reference point
- 10. a way of measuring how quickly something is moving or being done, or something moving fast
- 11. a statement based on repeated experimental observations that describes some aspects of the universe