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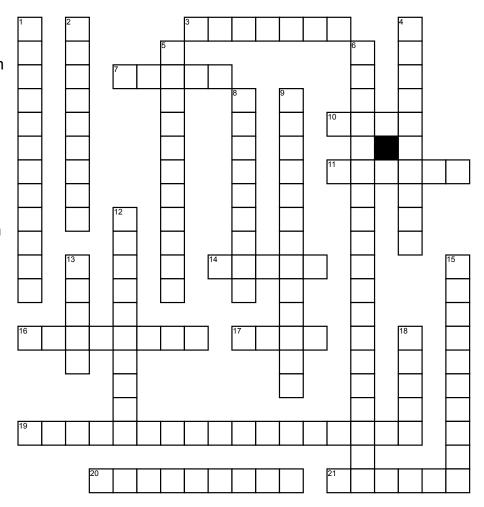
Physical Science Crossword Puzzle Project

Across

- **3.** is the resistance of any physical object to any change in its state of motion.
- **7.** is the rate at which an object covers distance.
- **10.** transfer occurs by three mechanisms: conduction, convection, and radiation.
- **11.** is the base unit for length or distance.
- **14.** the amount of work (or energy transfererrd) in a certain amount of time.
- **16.** speed and direction of an object.
- **17.** transfer of energy that occurs when a force makes an object move.
- **19.** is the variable that is changed or controlled in a scientific experiment.
- **20.** a material or an object that does not easily allow heat, electricity, light, or sound to pass through it.
- **21.** is the metric unit base for temperature.

<u>Down</u>

- 1. the amount of heat needed to raise the temperature of one gram of a substance by one degree Celsius, or to raise the temperature of one pound of a substance by one degree Fahrenheit.
- **2.** a unit of mass equal to 1000 grams.
- **4.** is an idea or explanation that you then test through study and experimentation.
- **5.** a measure of the warmth or coldness of an object or substance with reference to some standard value.
- **6.** are the variables that the experimenter changes to test their dependent variable.



- **8.** the process in which energy is emitted as particles or waves.
- **9.** can be transferred from one object to another in the form of heat.
- **12.** heat transferred in a gas or liquid by the circulation of currents from one region to another.
- **13.** the amount of energy exerted when a force of one newton is applied over a displacement of one meter.
- **15.** energy that is transferred by the movement of electrons or ions.
- **18.** something that causes a change in the motion of an object. (an object's mass multiplied by its acceleration)

