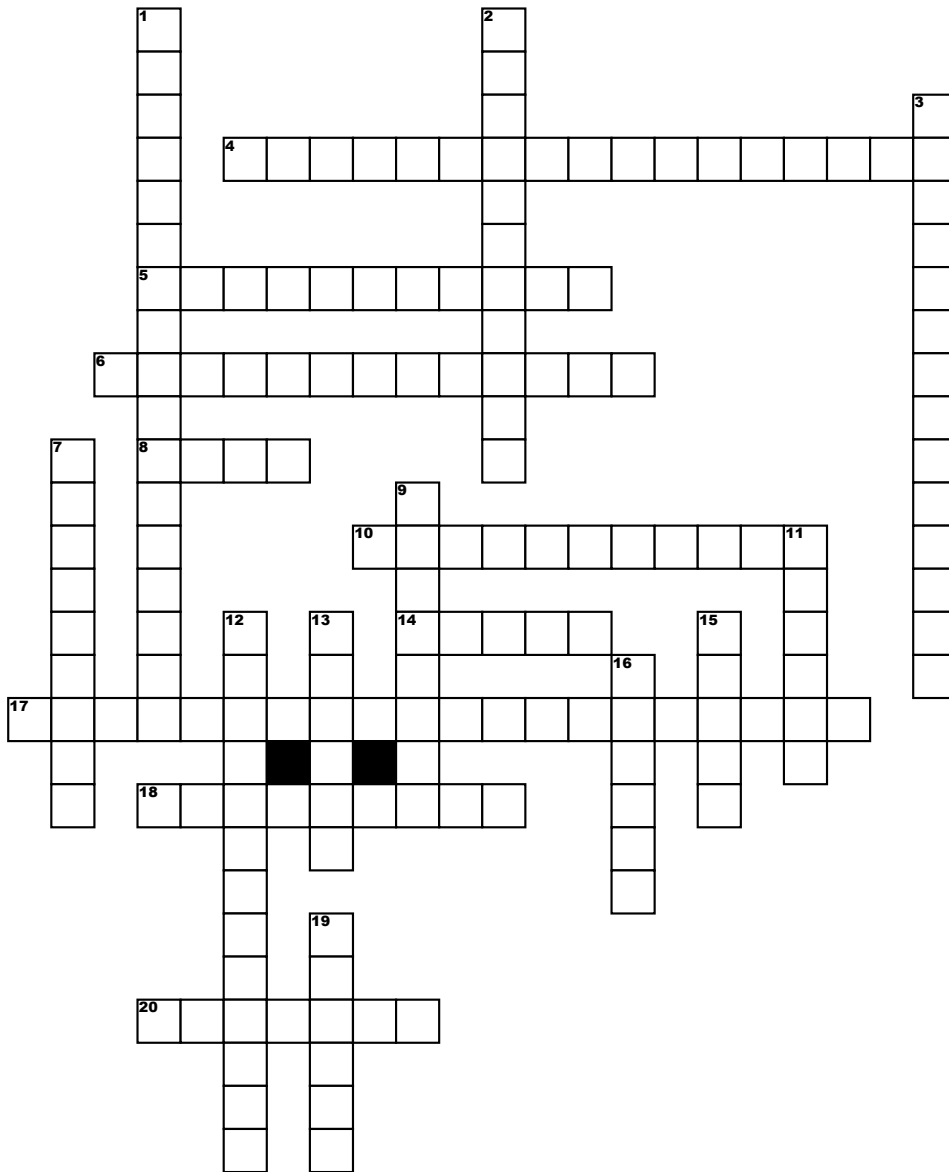


## Transformation Of Energy Unit Test Extra Credit Activity



**Across**

- 4.** the sun is a...
- 5.** a diagram showing the transformation, conservation, and transfers of energy
- 6.** the energy of motion,
- 8.** random kinetic energy
- 10.** a material that lets light pass through, but objects on the other side can't be seen clearly.
- 14.** the peak of a wave
- 17.** the law that says energy cant be created or destroyed

**18.** number of waves per second

**20.** the force of attraction

**Down**

- 1.** the wavelengths that are visible to human eyes
- 2.** a material allowing light to pass through it is...
- 3.** a wave that needs a wave to travel
- 7.** change from one energy to another
- 9.** the action of one surface or object rubbing against another

**11.** the opposite of a crest, so the minimum or lowest point in a cycle.

**12.** as an object moves, what slows it down?

**13.** not able to be seen through

**15.** the rate at which someone or something is able to move or operate

**16.** a substance in which a wave travels through a solid, liquid, or gas

**19.** the distance from the top to the bottom of an object