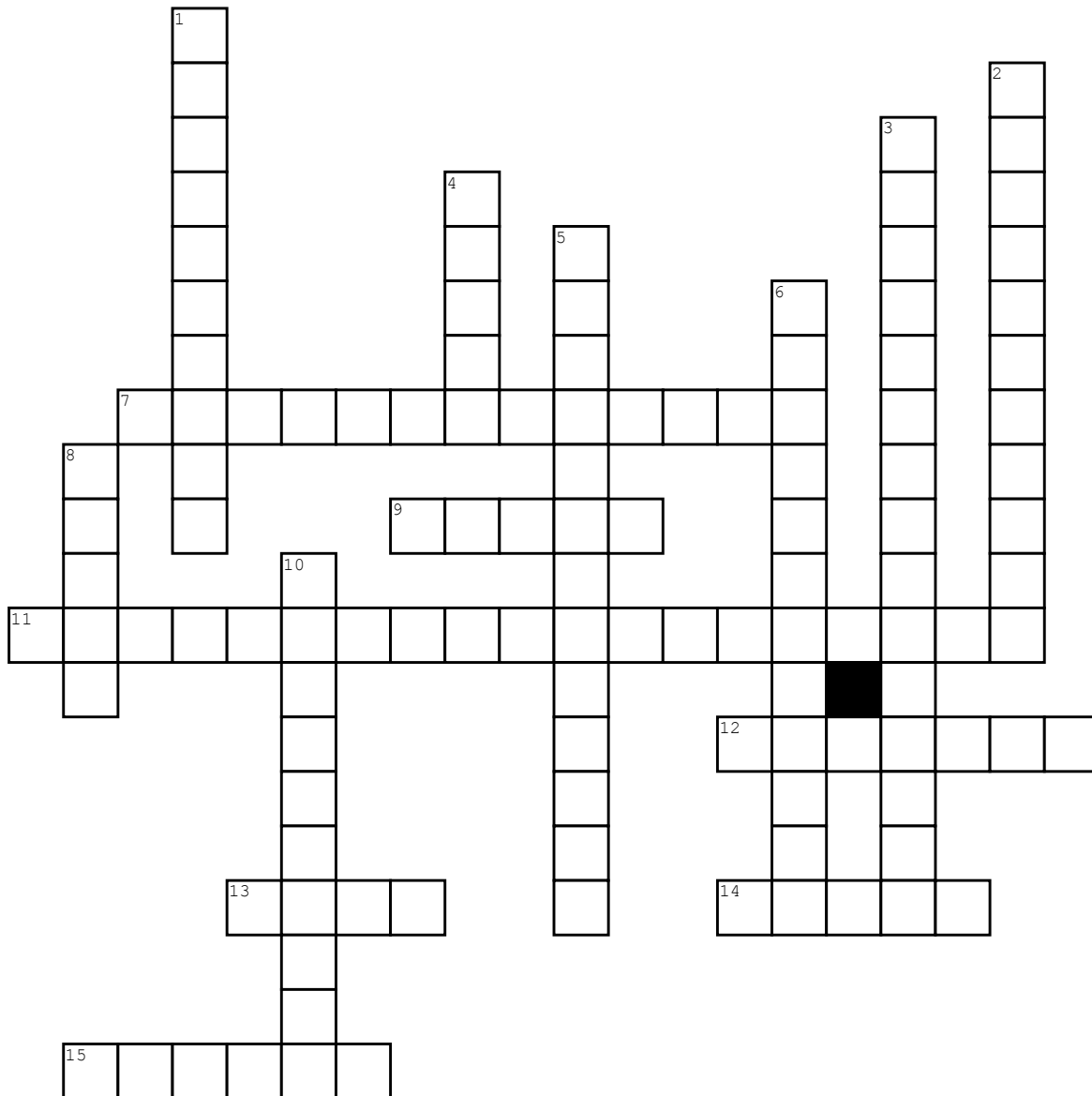


Chapter 5 Vocabulary



Across

7. Simple machine that consists of a sloping surface, such as a ramp, that reduces the amount of force needed to lift something by increasing the distance over which the force is applied.

9. Amount of work done, or the amount of energy transferred, divided by the time required to do the work or transfer the energy.

11. Ratio of the output force exerted by a machine to the input force applied to the machine.

12. Device that makes doing work easier by increasing the force applied to an object, changing the direction of an applied force, or increasing the distance over which a force can be applied.

13. Transfer of energy that occurs when a force makes an object move

14. Simple machine consisting of a bar free to pivot about a fixed point called the fulcrum.

15. Simple machine that consists of a grooved wheel with a rope, chain, or cable running along the groove.

Down

1. Ratio of the output work done by the machine to the input work done on the machine, expressed as a percentage.

2. The force applied by the machine.

3. Machine that is a combination of two or more simple machines.

4. Simple machine that is an inclined plane with one or two sloping sides.

5. Machine that does work with only one movement.

6. Simple machine that consists of a shaft or axle attached to the center of a larger wheel, so that the shaft and wheel rotate together.

8. Simple machine that consists of an inclined plane wrapped in a spiral around a cylindrical post.

10. The force that is applied to the machine.