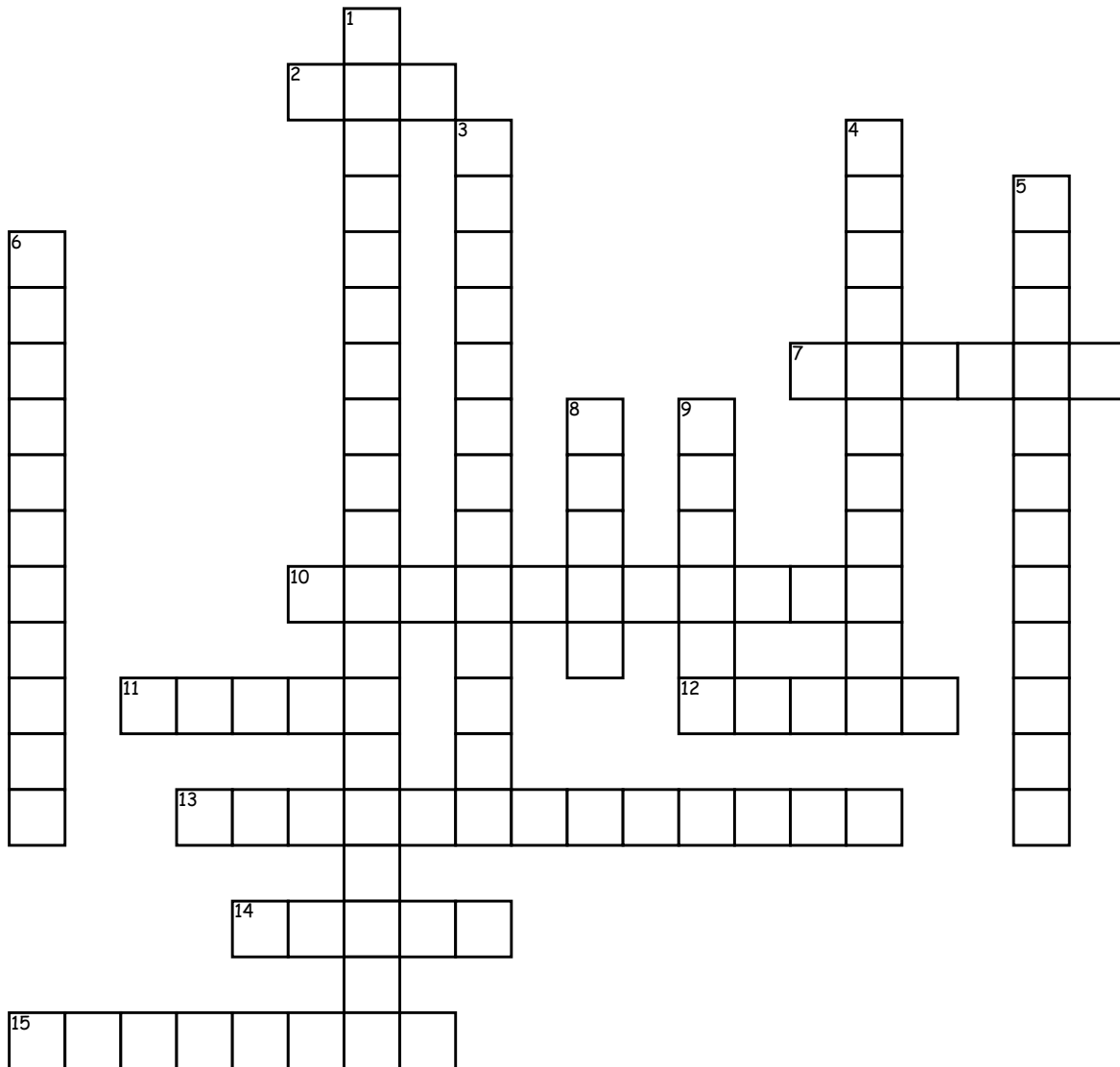


# Simple Machines



**Across**

2. How many simple machines are there?

7. What is a a wheel with a grooved rim around which a cord passes.

10. What is a plank or ridged beam that is free to rotate on a pivot.

11. What is a piece of material thick and then tapering to thinner to secure or separate an object?

12. What is a short, slender, sharp-pointed metal pin with a raised helical thread running around it

13. What is the most basic machine?

14. A wheel and axel is a lever connected to a what?

15. A screw is an inclined plane wrapped around a what?

**Down**

1. What is a flat supporting surface tilted at an angle

3. What is is a flat supporting surface tilted at an angle?

4. What is an force going outward

5. What is a simple lifting machine consisting of a rope that unwinds from a wheel onto a cylindrical drum or shaft joined to the wheel to help lift things.

6. What family all has a rigid arm that turns around a point called the fulcrum

8. How many classes are levers divided into?

9. What are pulleys modified as?