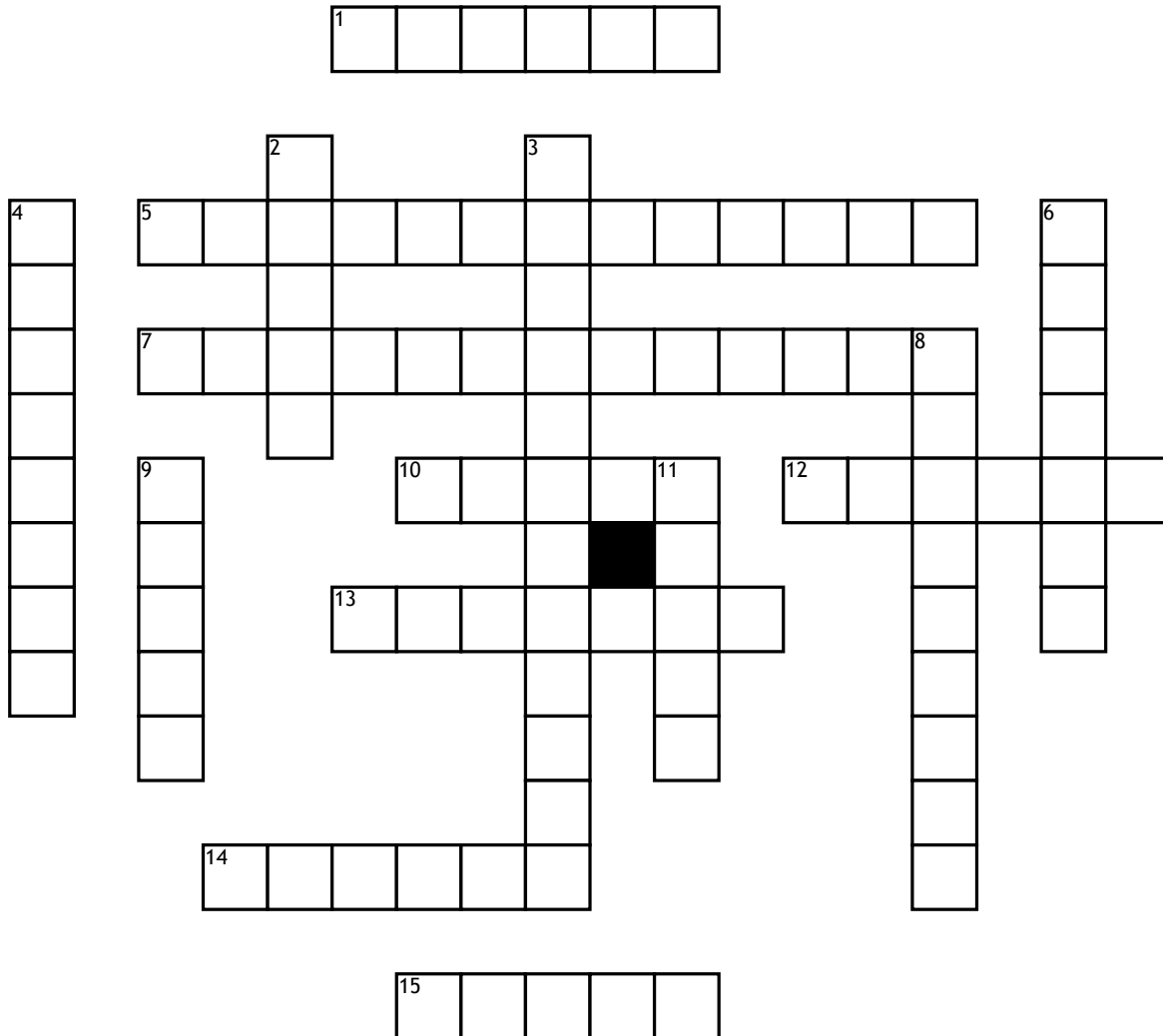


Name: _____

Date: _____

Simple Machines



Across

1. A wheel with a grooved rim in which a rope or cable can run.
 5. A system of a living body.
 7. A ramp that increases the load than can be raised by an effort force.
 10. Toothed wheels of different diameters linked together to change the speed or direction moved.
 12. A force applied to one part of a lever to move a load at another part.

13. The distance from the fulcrum to the load force.
 14. The turning effect caused by a force on a rigid object around an axis or fulcrum.
 15. A double inclined plane that increases the applied or effort force.

Down

2. A push or pull on an object.
 3. A large diameter, rigid disk connected to a small-diameter rigid rod.

4. A machine made of two or more simple machines.
 6. A support around which a lever can rotate or pivot.
 8. The distance from the fulcrum to the effort force.
 9. A rigid bar that can rotate freely around a fulcrum.
 11. An inclined plane wrapped around a central shaft that increases the applied or effort force.