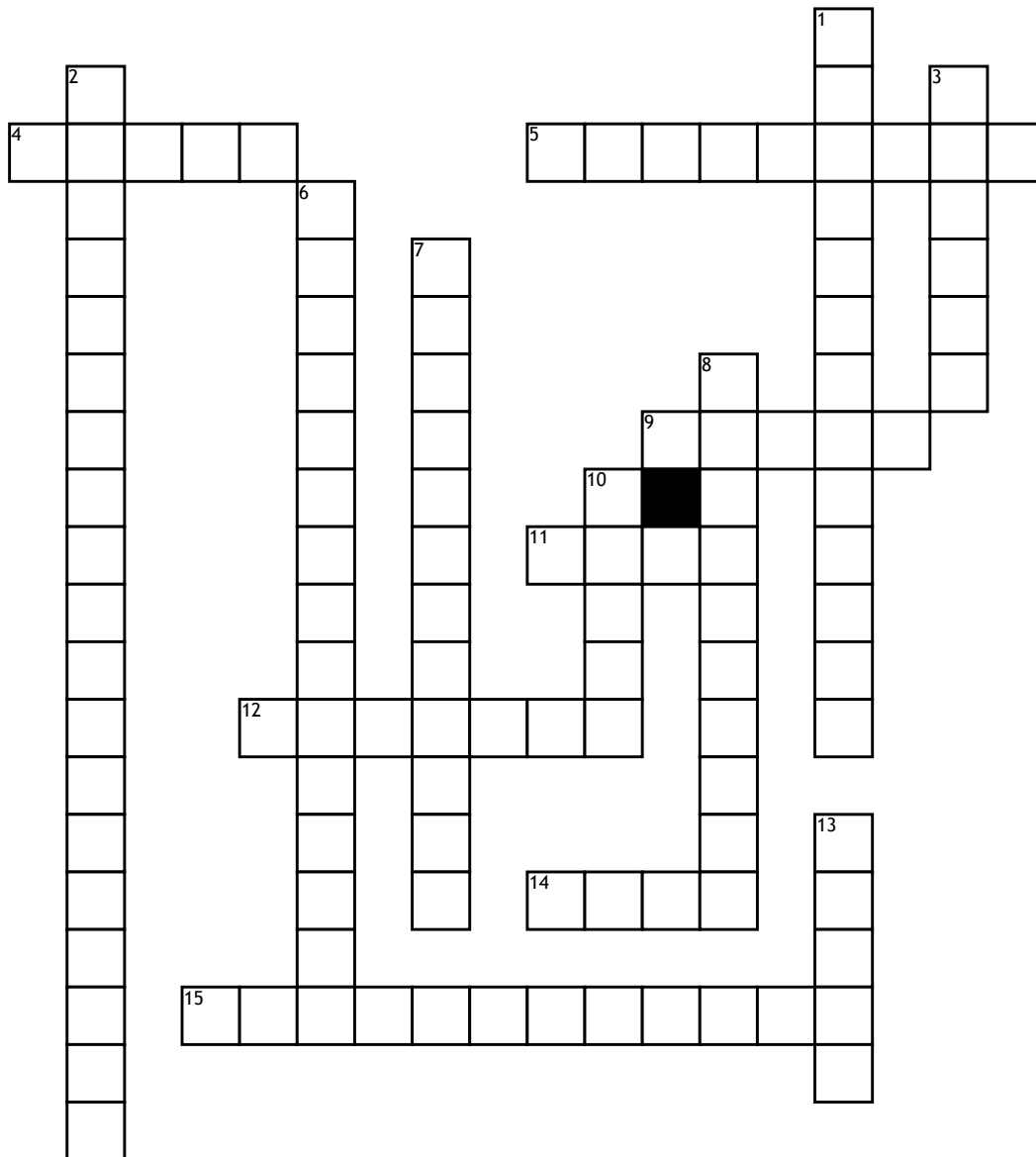


Name: _____

Date: _____

Simple Machines



Across

4. A simple machine that is made up of 2 inclined planes and that moves. Often used for cutting
5. The work you do on a machine
9. The rate at which energy is transferred
11. The transfer of energy to an object by using a force that causes the object to move in the direction of the force
12. A device that makes work easier by changing the size or direction of a force

14. The unit used to express power. Also expressed as J/s
15. A simple machine consisting of 2 circular objects of different sizes

Down

1. The energy of an object due to it's motion
2. The number of times a machine multiplies force
3. A simple machine that has a grooved wheel that holds a rope or a cable
6. A machine made of more than 1 simple machine

7. A machine that would have 100% mechanical efficiency
8. The work done by a machine
10. The unit used to express work. Also expressed as newton-meter
13. A simple machine that consists of an inclined plane wrapped around a cylinder