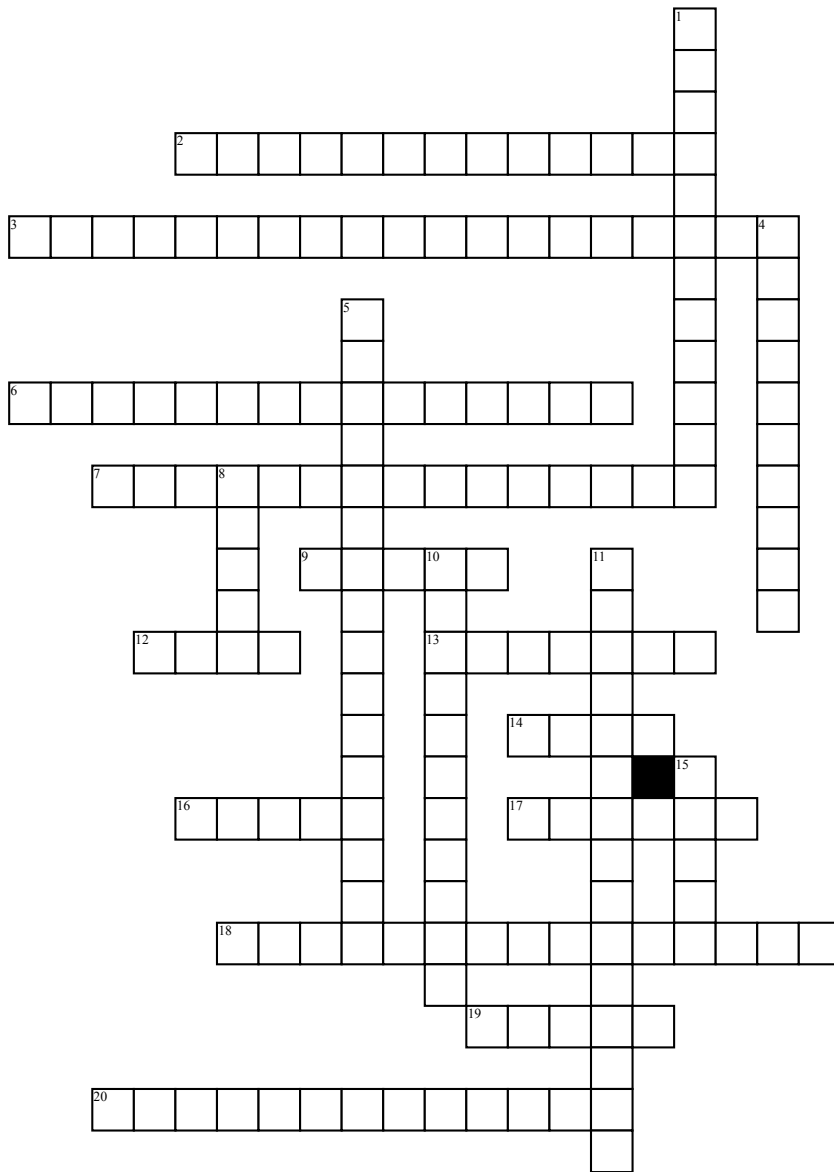


Work and Simple machines



Across

2. Machine used to make work easier
3. The ratio of the force produced by a machine to the force applied to it, used in assessing the performance of a machine.
6. The force which an effort force must overcome in order to do work on an object via a simple machine.
7. Machine made up of one or more simple machines
9. An inclined plane wrapped around a pole which holds things together or lifts materials.

12. Measure of energy transfer that occurs when an object is moved over a distance
13. The pivot point of a lever
14. Unit for power
16. Unit for work
17. A simple machine that uses grooved wheels and a rope to raise, lower or move a load.
18. Lever system has its applied force situated between the load and fulcrum.
19. A stiff bar that rests on a support called a fulcrum which lifts or moves loads.
20. A slanting surface connecting a lower level to a higher level.

Down

1. A wheel with a rod, called an axle, through its center lifts or moves loads.
4. Energy output, divided by the energy input
5. Levers that have the load between the effort and the fulcrum
8. The rate of doing work
10. Force put in to doing work
11. Lever in which the fulcrum is located in between the resistance and the effort force
15. An object with at least one slanting side ending in a sharp edge, which cuts material apart.