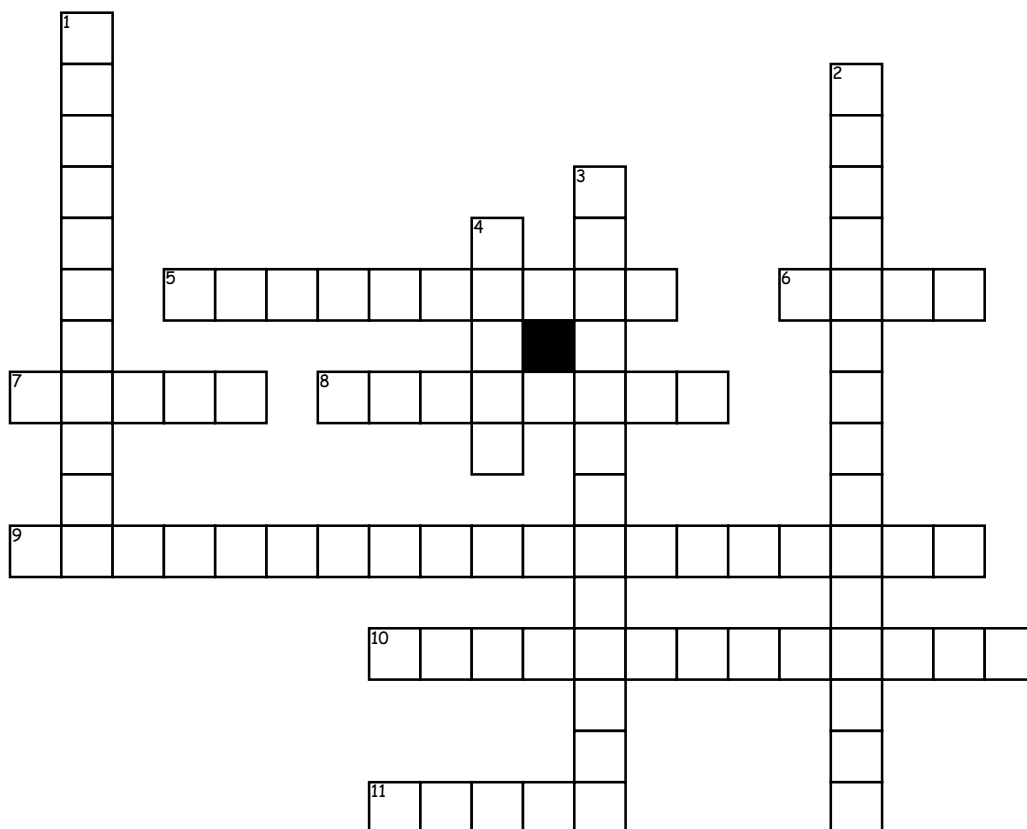


# Work and simple Machines



## Across

5. Force exerted on a machine.  
 6. Is done when a force exerted on an object cause object to move some distance, equal to force times distance measured in joules  
 7. Rate at which work is done equal to the work done divided by the time it takes to do the work measured in watts.  
 8. Force that opposes motion between two touching surfaces.  
 9. Number of times the input force is multiplied by a machine equal to the output force divided by the input force.

## Word Bank

Friction

Simple Machine

Work

Input Force

Power

Force

Inclined Plane

Wedge

10. A machine that does work with only one movement inclined plane, wedge, screw, lever, wheel and axle, and pulley.

11. Simple machine consisting of an inclined plane that moves can have one or two sloping sides.

## Down

1. Force exerted by a machine.

2. Machine made up of a combination of two or more simple machines.

3. Simple machine that is flat surface, sloped surface or ramp

4. A push or pull.

Output Force

Compound Machine

Mechanical Advantage