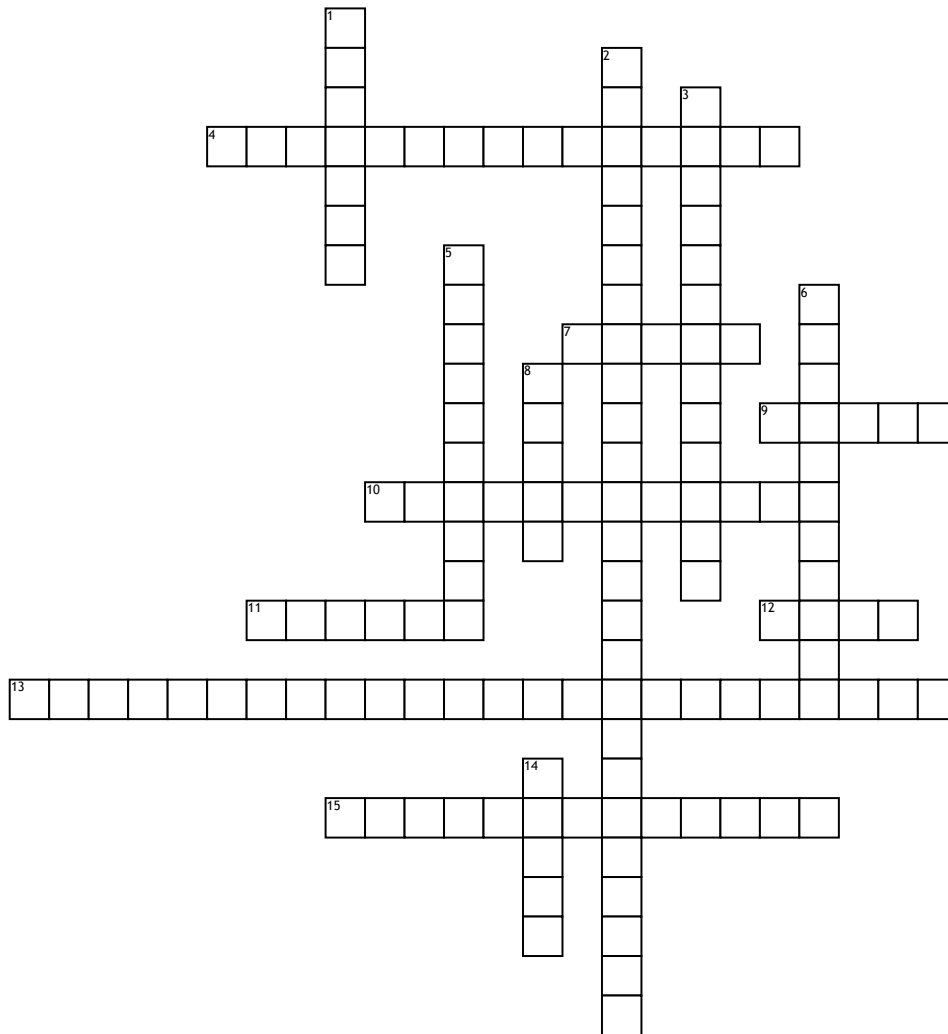


# Machines



## Across

4. Is the force of the object being moved  
 7. Is a bar that is free to turn on a fixed point called a fulcrum  
 9. This is an inclined plane that turns around a central point  
 10. Is a machine consisting of two wheels of different sizes that rotate together

## Word Bank

simple machine  
 wheel and axle  
 lever  
 screw  
 force effort

11. Is a rope wrapped around a wheel  
 12. the transfer of energy through motion  
 13. What does IMA mean  
 15. This is a device that makes work easier with only one movement

## Down

1. Is the fixed point that the lever is supported  
 2. What does AMA mean

wedge  
 pulley  
 work  
 fulcrum  
 joule

3. Slanted surface or ramp  
 5. A measure of how much of the work put into a machine is changed to useful work put out by a machine  
 6. Is the force you are using in an effort to move the object  
 8. The unit for work  
 14. This is an inclined plane with 2 sloping sides instead of one

inclined plane  
 Actual mechanical advantage  
 force resistance  
 ideal mechanical advantage  
 efficiency