

12/12/19

Simple Machines

(A) Simple Machine = device that makes work easier. (changes the size or direction of a force)

1. Lever = Rigid bar that pivots around a fixed point
use: lifts things up
2. Pulley = Grooved wheel with rope wrapped around it
use: lifts objects and can change the direction of a force
3. Screw = Inclined plane wrapped around a central cylinder
use: holds things together
4. Wedge = Inclined plane(s) that move
use: separates things
5. Inclined Plane = flat sloped surface
use: decreases force to lift something
Allows you to use a force over a longer distance
6. Wheel and Axle = 2 attached circular objects of different sizes that rotate
use: Reduces friction
moves things easier

(B) Compound/Complex Machine = **2** or more simple machines