

ALL ABOUT SIMPLE MACHINES

SIMPLE MACHINES

Simple machines are useful because they reduce effort or extend the ability of people to perform tasks beyond their normal capabilities.

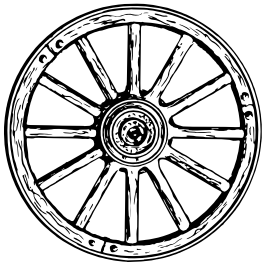
Simple machines that are widely used:

- 1) Wheel and axle
- 2) Pulley
- 3) Inclined plane
- 4) Screw
- 5) Wedge
- 6) Lever

Images and definition of simple machines

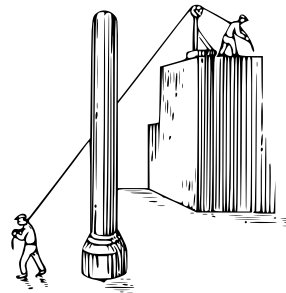
WHEEL AND AXLE

Makes it easier to turn or move things. Example: Bicycle wheel



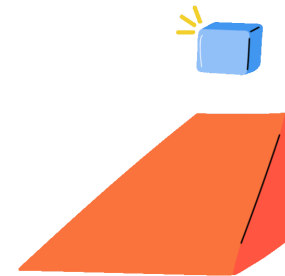
PULLEY

A wheel that is connected to a rope to lift objects. Example: Lifts use pulley



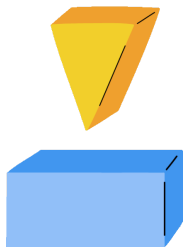
INCLINED PLANE

A flat surface that is raised so one end is higher than the other. Example: A ramp



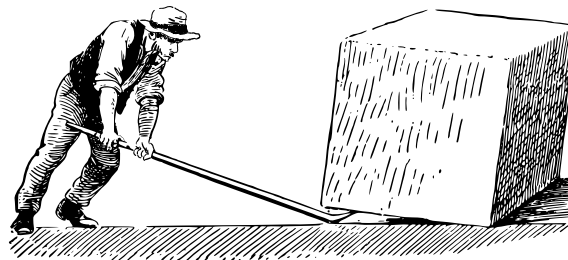
WEDGE

It is wide at one end and pointed at the other to split or cut other objects. Example: Front teeth



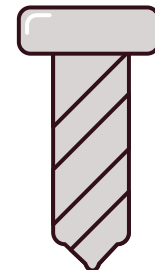
LEVER

A stiff bar that moves at a turning point. Example: Seesaw



SCREW

A narrow inclined plane wrapped around a cylinder. Example: A jar lid



GAME: Which Simple Machine?

Look at the images below, write below which simple machines do they show?





