Write the Notes in your Notebook or Exercise Book

Science

Simple Machines

Simple machines are tools used to make work easier. Simple machines do not make less work; they just make it easier to do work.

There are 6 different types of simple machines:

(1) Lever

(2) Screw

(3) Pulley

(4) Wheel and axle

(5) Inclined plane

(6) Wedge

A lever is a stiff bar that moves about a fixed point (fulcrum). A lever is used to push, pull, or lift things. A shovel and see-saw are examples of a lever.

A screw is an inclined plane wrapped around a cylinder or cone. A common use of the screw is to hold objects together. A jar lid and a wood screw are examples of a screw.

LIVEWORKSHEETS

A pulley is a wheel that has a rope wrapped around it. Pulleys can be used to lift heavy objects by changing the direction or amount of the force. A flagpole uses a pulley to raise the flag.

A wheel and axle consist of a rod attached to a wheel. A wheel and axle make it easier to move or turn things. A bicycle wheel, roller skates, and a doorknob are all examples of a wheel and axle.

An inclined plane is a flat surface that is raised so that one end is higher than the other. An inclined plane helps move heavy objects up or down. A ramp is an example of an inclined plane.

A wedge is wide at one end and pointed at the other to help cut or split other objects. Examples of wedges: a knife or an ax

LIVEWORKSHEETS

LIVEWORKSHEETS