

Name : _____

Simple Machines

TYPE	DEFINITION	EXAMPLES
Inclined Plane	An inclined plane is a ramp or a sloping surface which is used to raise or lower loads. It is a flat surface tilted at an angle.	Wheelchair ramp, skateboard ramp and sloping roads
Lever	A lever is a rigid bar that rests on a fulcrum (a fixed point). It is used to move objects or cut things. The three types of levers are first class, second class and third class.	Seesaw, nutcracker, a pair of tongs and fishing rod
Pulley	A pulley is a grooved wheel with a rope passing through the groove. It is used to lift or lower heavy objects. The three types of pulleys are fixed, movable and compound pulley.	Elevator, crane, well wheel and flagpole pulley
Screw	A screw is an inclined plane coiled around a cylinder. It is used to raise or lower weights and hold objects together.	Wall screw, jar lid, light bulb and clamps
Wedge	A wedge is a triangle shaped tool made of wood or metal, it is thick at one end and tapers at the other to form a sharp cutting surface. It is used to split objects apart.	Fork, knife, axe, blade and chisel
Wheel and Axle	A wheel and axle arrangement consists of a wheel and a rod (axle) running through the center of the wheel. Its major application is found in vehicles.	Wagon, buggy, ferris wheel, spinning wheel and clock