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| **Simple Machine** | **What is**  | **What it does** | **How is it used** | **Common Examples** |

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| **Lever**  | A rigid bar  | It changes the direction of the force applied | Used to help move heavy loads | Scissors, seesaws, pliers, wheelbarrows, fishing rod  |
| **Wedge** | A stiff bar that rests on support called a fulcrum | It holds items in place  | Used to lift or move loads | Nail clipper, shovel, nutcracker, seesaw, crow-bra, elbow, tweezers, bottle opener  |
| **Inclined Plane**  | A slanting surface connecting a lower level  | The flat supporting surface tilted in an angle provides support  | Used to move things up or down  | Slide, stairs, ramp, escalator, slope,  |
| **Wheel and Axle** | A wheel with a rod, called an axle, through its center:both parts move together | Moves items forward when force is applied  | Used to lift or move loads | Doorknob, pencil, sharpener, bike |
| **Pulley** | A grooved wheel with a rope or cable around it | It multiplies force through the use of a rope and wheel.  | Used to moves things up, down, or across | Curtain rod, tow truck, mini-blind, flag pole, crane |