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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 |