



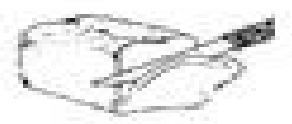



Simple Machines Handout

Name _____

Date _____

| Simple Machine | Used for | Found | Example |
|---|--|---|---|
| <p>Lever A lever is a board or bar that rests on a turning point, called a fulcrum. The closer the object is to the fulcrum, the easier it is to move.</p> | pushing, pulling, or lifting things | Bottle opener Crow bar |  |
| <p>Wheel and Axle The axle is a rod that goes through the wheel. The axle allows the wheel to turn.</p> | moving or turning things more easily | Roller Skates Wheels Door Knobs Gears |  |
| <p>Pulley Pulleys are made up of a wheel and a rope that fits in the groove of the wheel. One part of the rope is attached to the load. When you pull on one side of the rope, the wheel turns and the load moves.</p> | Lifting heavy objects by changing the direction or amount of force | Flag Pole Sailboat Blinds Crane |  |
| <p>Inclined Plane An inclined plane is a flat surface that is higher on one end than the other.</p> | moving heavy objects up or down | Ramp Stepped Road Slide |  |
| <p>Wedge A wedge is a simple machine used to push two objects apart. A wedge is made up of two inclined planes. These planes meet and form a sharp edge.</p> | cutting or splitting other objects | Knives Axes Forks Nails |  |
| <p>Screw A screw is actually an inclined plane that winds around itself.</p> | loosening and joining things or holding objects together | jar lids Light Bulbs Clamps Screws Spiral Staircase |  |