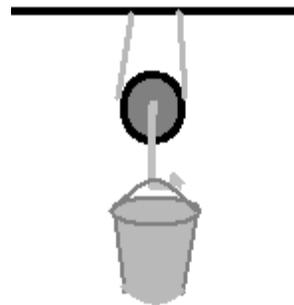
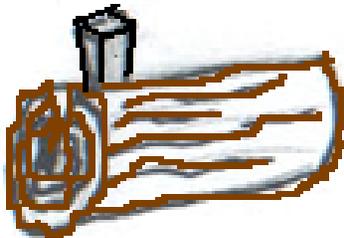
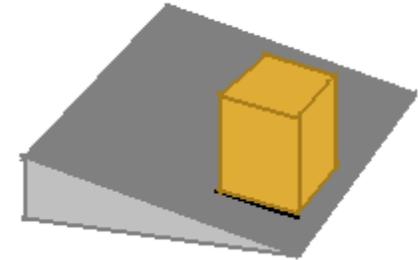


Identify six simple machines and their use.



Identify six simple machines and their use.



## Lever

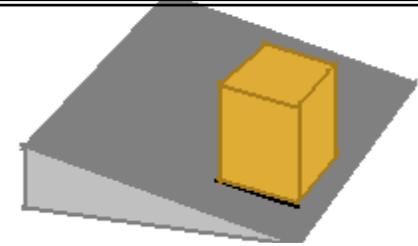
When force is applied at one end, the bar rotates around a fulcrum to lift an object.



## Wheel and Axel

A round wheel spins a rod in order to make it move.

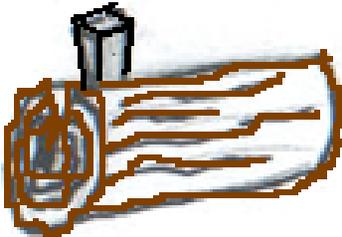
*Identify the six simple machines at work in your home.*



## Inclined Plane

A slanted surface makes it easier to lift objects.

*Have some of these ready to look at and match to the correct type. Levers: crowbar, hammer with claw, tweezers, scissors. Wheel & axel: door knob, toy car, sink handle. Inclined plane: ramp for toy car. Wedge: knife, push pins. Pulley: curtain rod, window blinds, shoe lace, fishing pole. Screw: key ring, light bulb, jar lid, screws.*



## Wedge

A pie-shaped edge can be driven into another object in order to split it.



## Pulley

A rope moves around a wheel to make it easier to lift.



## Screw

A cylinder with spiral edges rotates.

## F&M-1 Information Pieces

|                               |  |
|-------------------------------|--|
| <b>Lever</b><br>F&M1          | <b>When force is applied at one end, the bar rotates around a fulcrum to lift an object.</b><br>F&M1 |
| <b>Wheel and Axle</b><br>F&M1 | <b>A round wheel spins a rod in order to move it.</b><br>F&M1  |
| <b>Inclined Plane</b><br>F&M1 | <b>A slanted surface makes it easier to lift objects.</b><br>F&M1                                    |
| <b>Wedge</b><br>F&M1          | <b>A pie-shaped edge can be driven into another object in order to split it.</b><br>F&M1             |
| <b>Pulley</b><br>F&M1         | <b>A rope moves around a wheel to make it easier to lift.</b><br>F&M1                                |
| <b>Screw</b><br>F&M1          | <b>A cylinder with spiral edges rotates.</b><br>F&M1   |

*To Make Your MatchCard more durable:*

- 1. Put the student MatchCard and instructor MatchCard back to back in a clear plastic page protector.*
- 2. Laminate the information pieces. Or you can make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.*
- 3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.*