



Simple Machines **Passport Assignment 1**

Research any five simple machines in more detail.

Complete the *Simple Machines Worksheet*.

(see teacher)

Click on the sites below for the information you need.

[INFO 1](#)

[INFO 2](#)

[INFO 3](#)

[INFO 4](#)

SELF-CHECK and REVIEW

LOOK BELOW to compare your worksheet with the correct answers.

Rollover each diamond

A lever is a bar with a support, called a fulcrum. The lever is used to pry things open or lift heavy objects a short distance.

The wheel and axle is a modification of the lever. A load attached to the axle, or spindle, can be lifted much more easily by turning the large wheel than by turning the axle itself.

A pulley is a wheel with a grooved rim through which a rope is passed. A pulley enables a person to move an object by pulling in a direction opposite to the direction the object is to be moved.

An inclined plane is a flat surface that slants or slopes. Heavy objects can be more easily moved by pushing than up an inclined plane than by lifting them.

The wedge is an adaption of the inclined plane. It is actually two inclined planes together. Wedges are useful in cutting or splitting things.

The screw is a spiral inclined plane. It can lift a heavy object easily, as when a car jack, that utilizes a crank, lifts an automobile.

