

Name _____ Date _____

Screws

Screws are a simple machine that is a combination of other simple machines. Match each word in the word box to its description.

inclined plane
wheel and axle
wedge
drill

threads
handle
force
jackscrew

turned
axle
distance

- 1 _____ This is a variation of a screw that is designed to make holes in wood or other materials.
- 2 _____ A screw is one of these wrapped around a cylinder.
- 3 _____ With the use of a screwdriver, this is done to the screw as it enters the wood or other material.
- 4 _____ When you are moving the screw with a screwdriver, you are really moving it with this simple machine.
- 5 _____ Without the threads, a screw is basically a nail, which is an example of this.
- 6 _____ When driving a nail, it takes a lot of this to push apart the wood as the nail enters it.
- 7 _____ On a screw, the inclined plane forms these ridges in a spiral along the cylinder.
- 8 _____ When turning a screw, it takes less force but you use more of this as the screw enters the wood.
- 9 _____ This tool is a variation of a screw that allows a platform to raise and lower extremely heavy objects.
- 10 _____ This part of the screwdriver acts as a wheel to do the work.
- 11 _____ The shaft of the screwdriver and the screw itself act as one of these to do the work.