



Screw

A screw is an inclined plane that winds around itself. A screw has ridges and is not smooth like a nail. Some screws are used to lower and raise things. They are also used to hold objects together.

Circle the examples of screws.

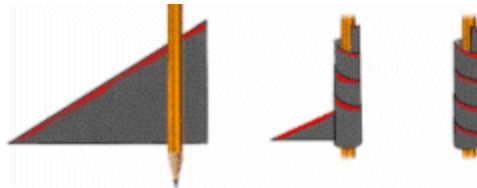


Try this experiment:

Materials: pencil, paper, marker, and scissors

Directions:

1. Cut the paper into a right triangle or inclined plane.
2. Use the marker to color the tip of the longest edge of the triangle.
3. Put the shortest side of the triangle along the pencil and then wrap the paper around the pencil by rolling it around.
4. You have just made a screw with an inclined plane!



Would it be easier to pull a nail or a screw out of a piece of wood?



Screw Answer Key

Circle the examples of screws.

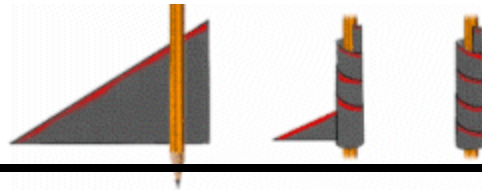


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Would it be easier to pull a nail or a screw out of a piece of wood?

It would be easier to pull a nail from a piece of wood than a screw. A nail is smooth along its edges and is just wedged into the wood. A screw has ridges on its edges and is twisted into the wood. A screw has to be twisted to come out of the wood, where a nail can be pulled.