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A simple machine is a machine that does work with only one movement.

LE DEF

DOWN



- Examples
 - Inclined plane
 - \circ Lever
 - Wheel and Axle
 - \circ Pulley

AT'S AN INCLINED

• An inclined plane is a ramp.



• A lever is a rigid rod that rotates about a fixed point or fulcrum.

HAT'S A LEVER

WRIT



- A wheel and axle consists of two objects of different size attached in such a way that they rotate around the same axis.





UTHER SIMPLE MACHINES

Wedge

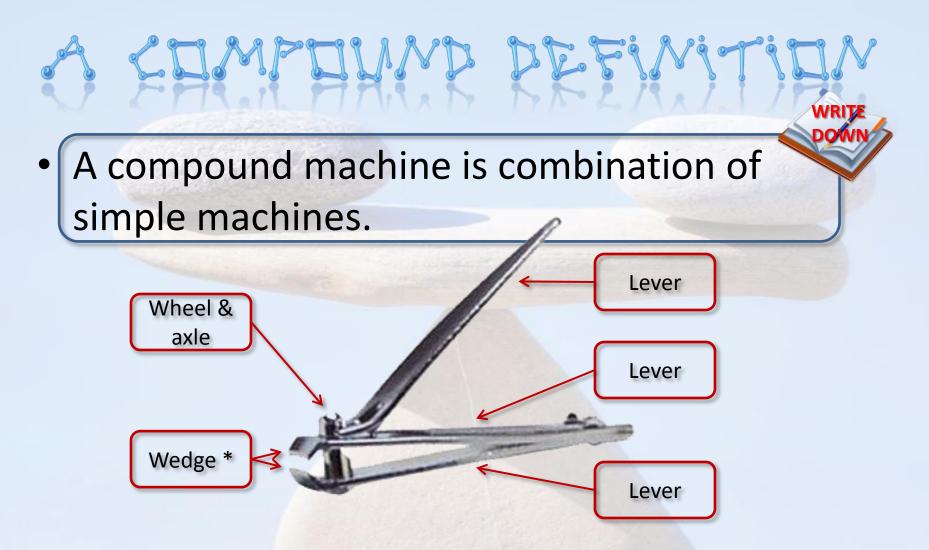
• A wedge is similar to two inclined planes together.

<u>Screw</u>

 A screw is similar to a wheel and axle with an inclined plane wrapped around it.

Inclined

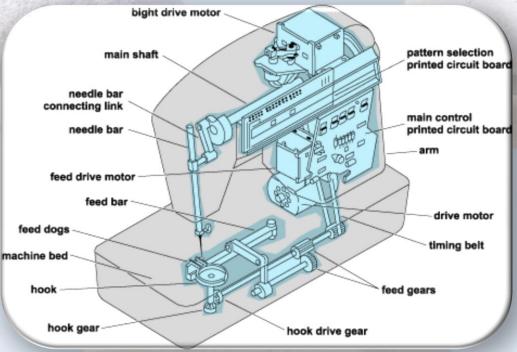
Plane



* A wedge is a combination of two inclined planes



• Examine the diagram of the sewing machine below.



- There are lots of parts that move in all different directions.
- All those separate parts make a sewing machine a compound machine. Can you identify the simple machines in it?