

Jeopardy

Simple Machines

Simple Machines

JEOPARDY

Levers	Pulleys and the WAA	Inclined Planes	Screws and Wedges	Hodgepodge
10	10	10	10	10
20	20	20	20	20
30	30	30	30	30
40	40	40	40	40
50	50	50	50	50

**A bar that pivots on a fixed
point**



The fixed point on a lever



Where is the fulcrum on a fishing pole?



**Give three examples of
everyday levers (extra
credit if you give an
example of each of the
three classes of levers)**



**How a lever changes the
force needed to lift a load
(and the tradeoff)**



**A wheel with a line around
it**



**Give two examples of
everyday pullys**



**A Wheel and Axle must do
this in order to be a simple
machine**



**The simple machine we
have studied that does not
change the direction of a
force**



**How a single pulley makes
a job easier**



A slanted surface



**The two factors an
inclined plane trades off
to change the way work is
done**



**Give two examples of
everyday inclined planes**



How the force and distance change if you make a ramp shallower



The way a ramp changes the direction of a force



**A post with threads
wrapped around it**



**Two inclined planes
placed back to back**



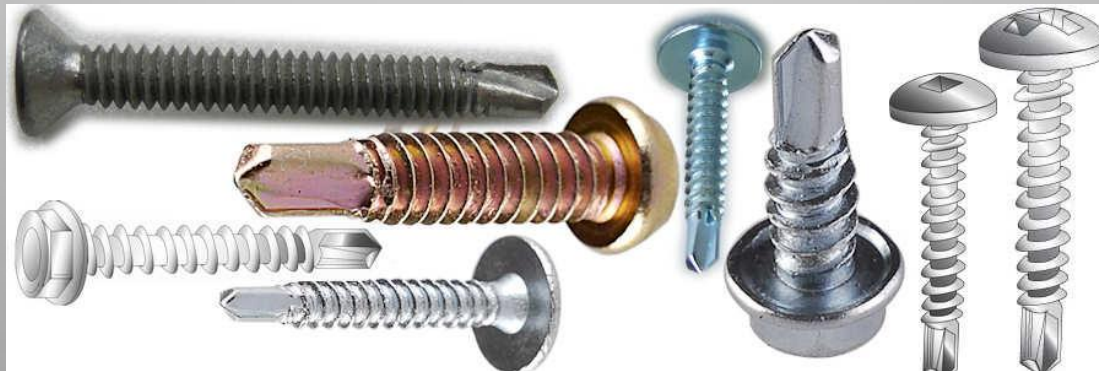
**Threads on a screw are
this type of simple
machine**



Three examples of everyday wedges



**Which screw would
reduce the amount of
force required the most
and why?**



**A machine with few or no
moving parts, to which
only one force is applied**



**The use of force to move
an object over a distance**



**Give an example of work
and a non example of work**



**A way in which a pulley
and a lever are alike**



**How do you make work
easier when using a 1st
class lever?**

