A ______________ is a double inclined plane that moves.

When using a wedge you apply a __________ force over a __________ distance.
The wedge ______________ force and you get a ____________ force over a
___________ distance.

2 examples of wedges are
1) 
2) 

The longer and thinner a wedge is the ________________ the mechanical advantage.

When you sharpen a knife or an axe you are making it sharper because the wedge is
now__________________.

You can find the mechanical advantage of a wedge by dividing the length of the wedge
by its greatest thickness. Copy down the example of the wedge from your book.
Calculate its MA.

A _______________ is an inclined plane that is wrapped in a spiral. When a screw is
rotated a _____________ force is applied over a _______________ distance. In return the
screw applies a _____________ force over a ____________ distance.

2 examples of screws are
1) 
2) 

How do you determine the mechanical advantage of a screw?
A _____________________________ is a simple machine consisting of 2 circular objects of different sizes.

When using a wheel and axle you apply a ________________ force over a _______________ distance. As a result you get a ________________ force over a _______________ distance.

Name 2 examples of a wheel and axle
1)  
2)  

You can determine the MA of a wheel and axle by dividing the radius of the wheel by the radius of the axle. Use the example in your book for your notes.

A _________________ is a simple machine that consists of a grooved wheel that holds a rope or a cable.

The 2 types of pulleys are
1)  
2)  

A fixed pulley has a MA of 1. The function of a fixed pulley is to _________________________________.

Moveable pulleys ________________ force by ________________ distance.

A fixed pulley and moveable pulley used together is called a _________________________.

Block and tackles ________________ force and ______________ its direction.

_____________________________ are machines made of two or more simple machines.

As the number of parts increases the ME of a simple machine _________________.

Using the example of a can opener explain why it is a compound machine?