***Notes- Machines***

Machines

Simple Machines

Lever---

3 types of levers.

\*First class

\*Second class

\*Third class

Pulley---

Wheel and Axle---

Inclined Plane---

Wedge---

Screw---

Complex Machine

Mechanical Advantage (MA)

* Machines are devices that make \_\_\_\_\_\_\_\_\_\_\_ easier.
* Machines make work easier by decreasing or redirecting the \_\_\_\_\_\_\_\_\_\_\_\_ applied.
* Machines do not reduce the amount of work; they decrease the amount of \_\_\_\_\_\_\_\_\_\_\_ needed.
* A bar that is free to \_\_\_\_\_\_\_\_\_ around a fixed point or fulcrum.

\*\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is between load & effort. EX: \_\_\_\_\_\_\_\_\_\_\_\_

\*\_\_\_\_\_\_\_ is between fulcrum & effort. EX: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* \_\_\_\_\_\_\_\_\_\_ is between fulcrum & load. EX: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

* A grooved wheel with a rope, chain or cable that changes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the force.
* A shaft attached to a large wheel that \_\_\_\_\_\_\_\_\_\_\_\_ together.
* A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ surface that reduces the amount of force required to raise an object.
* A \_\_\_\_\_\_\_\_\_\_\_\_ inclined plane that changes the direction of the force.
* An \_\_\_\_\_\_\_\_\_\_\_\_\_ plane wrapped around a cylindrical post.
* A machine made of \_\_\_\_\_\_\_\_\_ than \_\_\_\_\_\_\_\_ simple machine.
* The amount of times a machine multiplies \_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
|  |  |
| Horizon O |  |
| Horizon A |  |
| Horizon B |  |
| Horizon C |  |
| Horizon R (Bedrock) |  |