

**Summary CH.11 L.3**  
**Honesty March 9<sup>th</sup> 2020**

**Student's Name:**.....

**Subjects:** Science

**Class:** Grade 3 (A,C)

**Teachers' Name:** Hana Arnaout

**bk pg.464,465**

**1.What is a machine ?**

A machine is something that makes work easier to do.

**2. What are simple machines?**

Simple machines are machines with few or no moving parts.

**3. How many types of simple machines are there?**

There are six types : lever , pulley , wheel and axle , inclined plane , screw and wedge .

**Bk pg. 466 , 467**

**1. What is lever?**

- a) A lever is straight bar that moves on a fixed point. The fixed point is called fulcrum.
- b) A lever is used to lift something .
- c) The object lifted is called load.

**2. What is pulley?**

Pulley uses a rope and a wheel to lift an object.

**3. What is wheel and Axle?**

It is a lever made up of a wheel that moves around a post called an axle  
Example: doorknobs.

**Bk pgs 468 , 469**

**1. What are types of Inclined plane?**

- a. Ramp
- b. Screw
- c. Wedge

**2. What is inclined plane?**

It is a simple machine with flat , slanted surface to reduce the force and move an object.

**3. What is a screw ?**

A screw is an inclined plane wrapped into a spiral .

**4. What is a wedge ?**

A wedge is made of two inclined planes back to back to split objects apart .

Example: Ax knife .

**Bk pgs 470 , 471**

**1. What is a compound machine?**

A compound machine is two or more simple machines put together. Example : can opener , scissors .

Science Worksheet  
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**1. Fill in the blanks with the correct answer.**

Compound machine - lever – screw – fulcrum – load – simple machine –  
inclined plane – pulley

1. .... I am a kind of lever that uses a rope and a wheel to lift an object.
2. .... I am a fixed point on a lever .
3. I am a simple machine with a flat , slanted surface .....
4. .... I am made up of two or more simple machines .
5. .... I am a straight bar that moves on a fixed point .
6. .... I am the object lifted by a lever.
7. .... I am an inclined plane wrapped into a spiral .
8. .... I am pulley , lever , inclined plane , wedge.