H8W9F-UPBw1f1-2018

November 1st

**GLOSSARY**

**Energy:** the ability to do a work. (Forms of energy- mini book).

**Potential Energy:** stored energy waiting to be used. (FE mini book)

Three types of potential energy: (Graphic organizer types of energy)

1. Gravitational- jumping, falling down, inclination
2. Elastic- trampoline
3. Chemical- food, batteries

**Kinetic energy:** energy of movement.(FE mini book)

Five types of kinetic energy:

1. Mechanical- car
2. Heat-sun, fire, stove
3. Sound- guitar, radio
4. Light-light bulb, screen
5. Electricity- TV, I-Pad.

**Law of conservation of energy:** energy cannot be created or destroyed but it is always transforming. (Energy changes)

**Transfer/transformation:** it is when energy change from one type to another. Example: the toaster. (Energy changes)

**Natural resources:** Basis of life on earth. Things that exist freely in nature. (Natural resources)

**Renewable resources:** resources that can be replace.

**Four types of renewable resources:** soil, sunlight, water , wood.

**Non renewable resources:** resources that can run out, if they are replace it takes a lot of time.

**Fossil fuels:**

**Three types of fossil fuels:**

* **Natural gas**
* **Coal**
* **Oil**

**Write the 5 steps of the scientific method**

1. **Question**
2. Hypothesis
3. Experiment
4. Observations-Drawing
5. Conclusion

**Independent Variable:** change

**Depended Variable:** observe or measure

**Controls:** keep the same