**Energy Conversions Grade 7 Science**

* **Light energy** can be converted to **heat energy.**
* **Electrical energy** can be converted to **mechanical** energy, **light** energy, **heat** energy, etc.
* **Chemical energy** can be converted to **electrical** energy.
* **Thermal energy** can be converted to **heat energy**.
* **Mechanical energy** can be converted to **electrical** energy, **potential** energy, etc.
* **Nuclear energy** can be converted to **light** energy and **heat** energy.
* The **Solar energy** can be converted to **heat energy**, **chemical** energy, and **electrical** energy.
* The **Gravitational potential energy** can be converted to **kinetic energy**.

**Some examples of energy conversion are:**

* A vehicle moving is an example of chemical energy being converted into kinetic energy.
* Electricity being produced with water is an example of [potential energy](https://www.toppr.com/bytes/potential-energy/) being converted into kinetic energy.
* A ball from a height towards the ground is an example of potential energy being converted into kinetic energy.
* When you boil water using an electric kettle, it’s an example of electric energy being converted into heat energy.



1-Give an example of Electrical Energy being converted into light energy (you do this every day at home)

2-Give an example of chemical energy being converted to electrical energy (Think water animals)

3-Give an example of electrical energy being converted to kinetic energy

4-Give an example of Solar energy being converted to electrical energy

5-Give an example of light energy being converted to heat energy