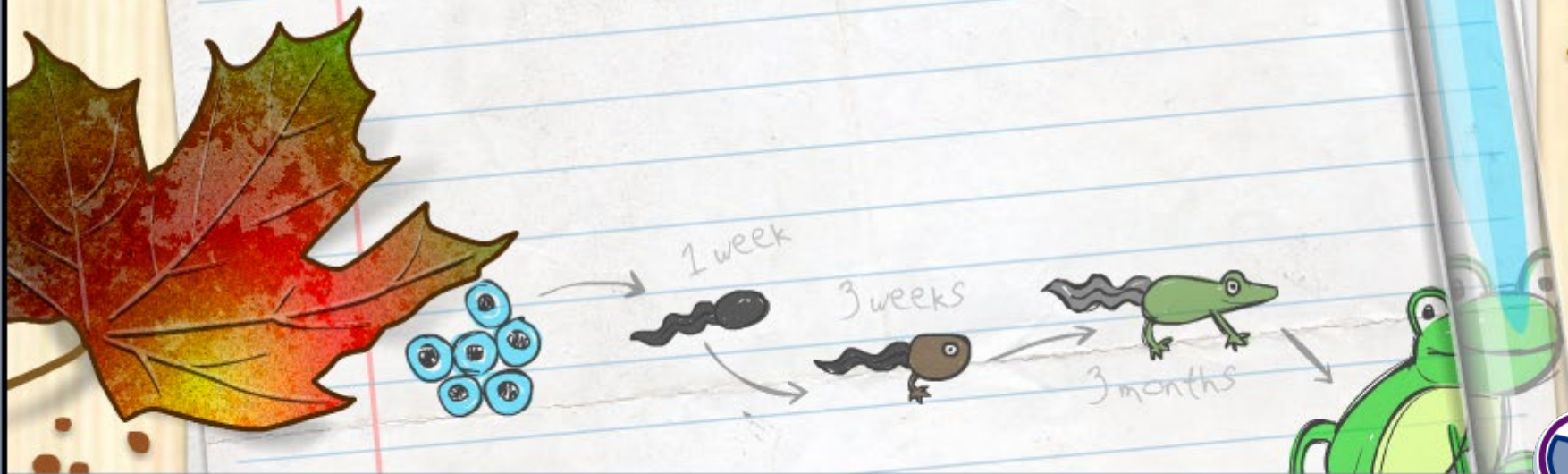


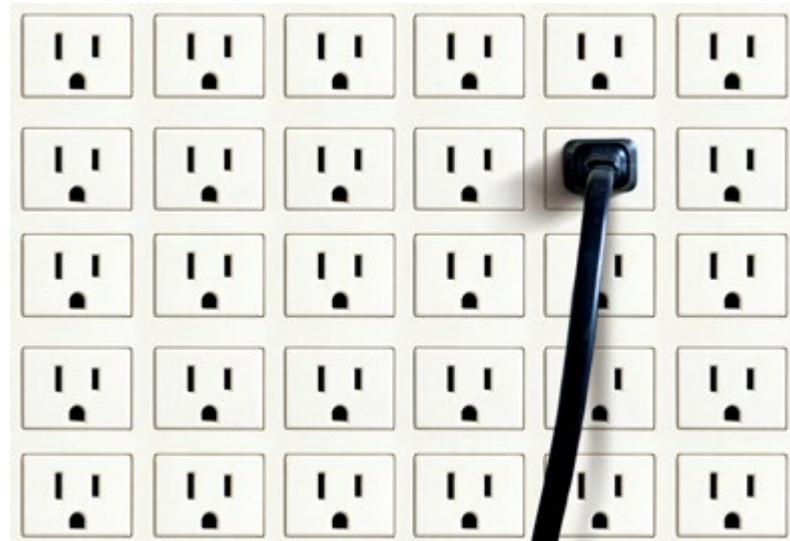
Energy Forms



Energy is the ability to do work.

List the different ways you see energy being stored or transferred.

- heat
- light
- sound
- electrical
- chemical
- mechanical.



Can you define “energy”?

Scientists define energy as the ability to do work.



Energy forms



Energy can be changed from one form to another.

Chemical energy in food is **converted** to heat energy and mechanical energy by our bodies.

A wind turbine converts the mechanical energy of the wind into electrical energy that we can use in our homes.

In these transfers, the energy is not lost – it is converted.



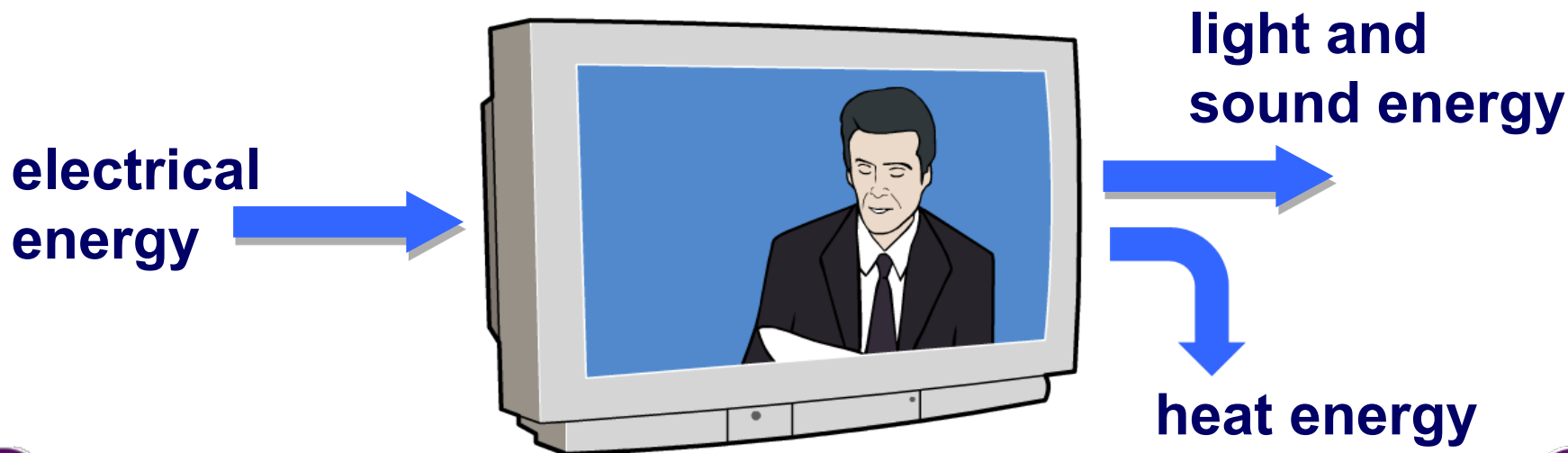
Energy cannot be created or destroyed.



Electrical energy is very useful because it is easy to change into other kinds of energy.

For example, a television converts electrical energy into light and sound, which help us communicate.

In this case, electrical energy is also converted into energy that is not so useful: heat energy.



Energy forms



Energy forms

