



# Tree of a Kind

*Big Steps Little Minds*

**E**nergise the **C**urriculum with an **I**nfusion of  
**S**cience.  
**S**ustain **S**ustainability  
&  
**E**ducate **E**arly!



Today's lesson we shall learn all about

Renewable

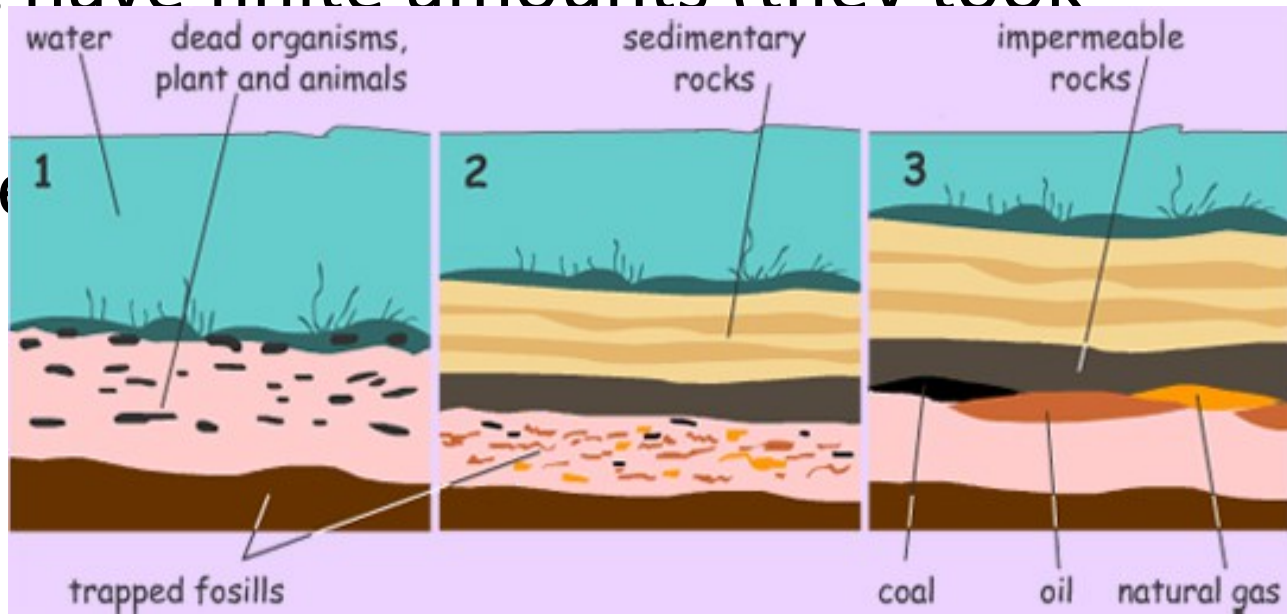
and

Non renewable  
energy

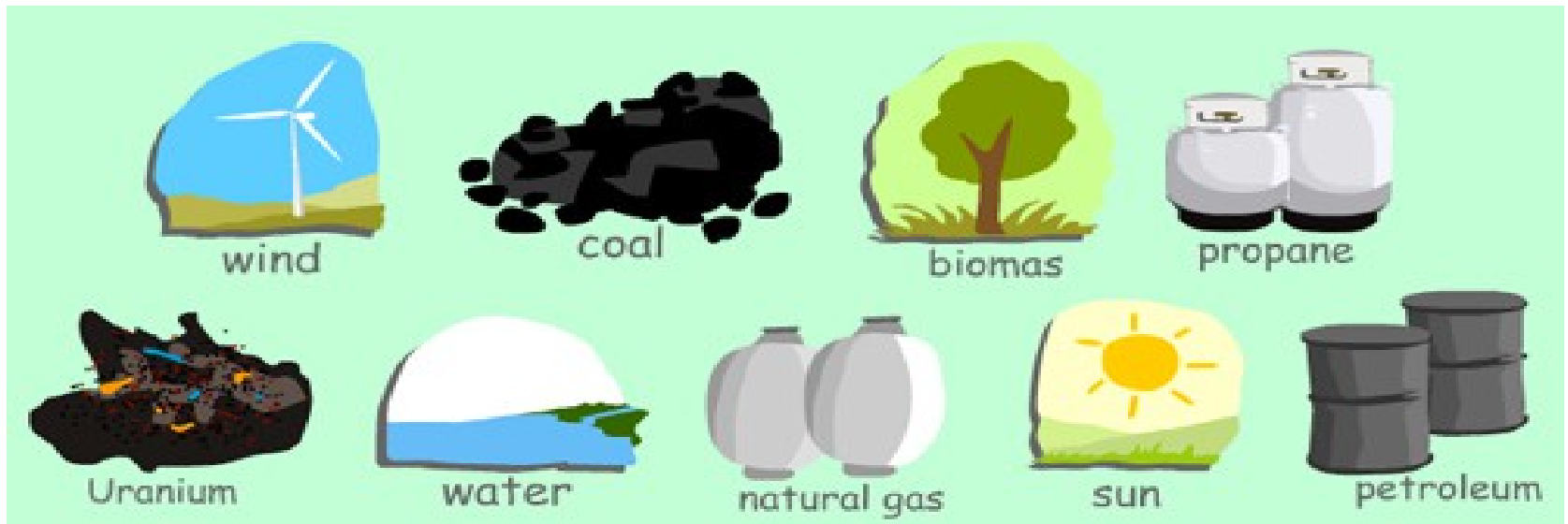
# What is renewable and non renewable energy?

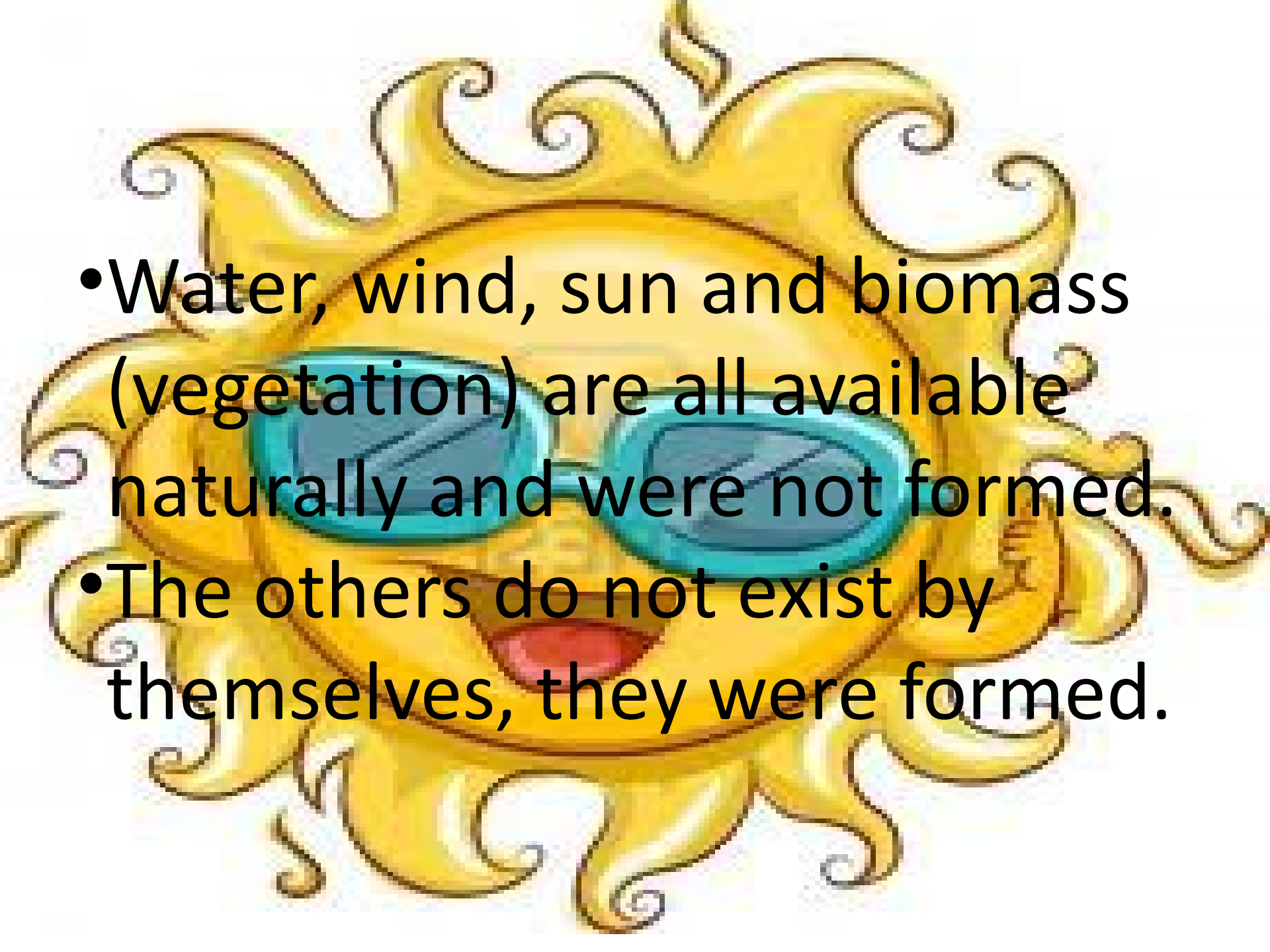
- Energy exists for millions of years and can exist infinitely. This type of energy is called **RENEWABLE** energy.
- The rest have finite amounts (they took millions of years to form) and are called **NON-RENEWABLE** energy.

Non-renewable energy is energy from fossil fuel

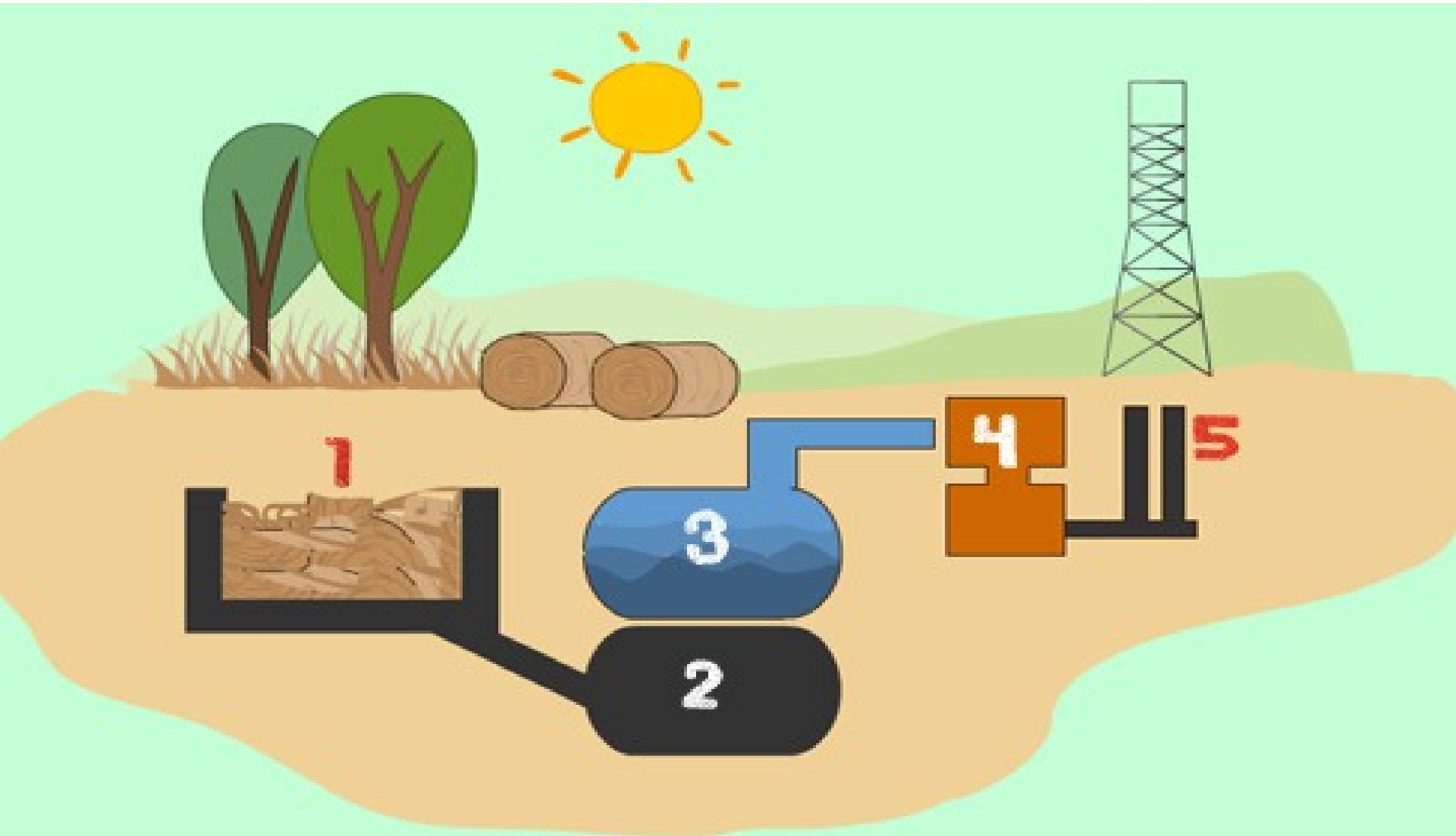
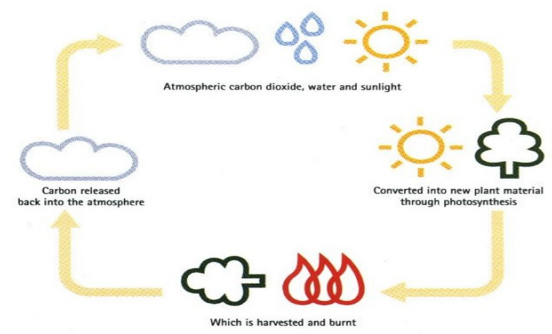


- With this in mind, it is a lot easier to lay any type of energy source in its' right place. Let's look at these types of energy in the picture below:

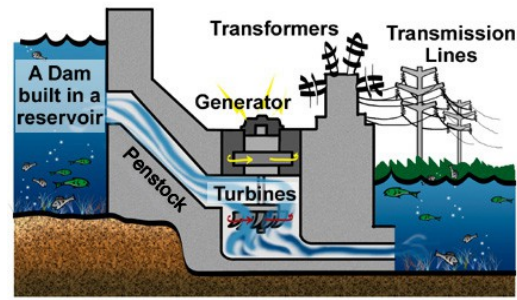
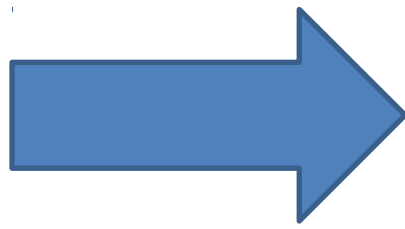


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- Water, wind, sun and biomass (vegetation) are all available naturally and were not formed.
  - The others do not exist by themselves, they were formed.

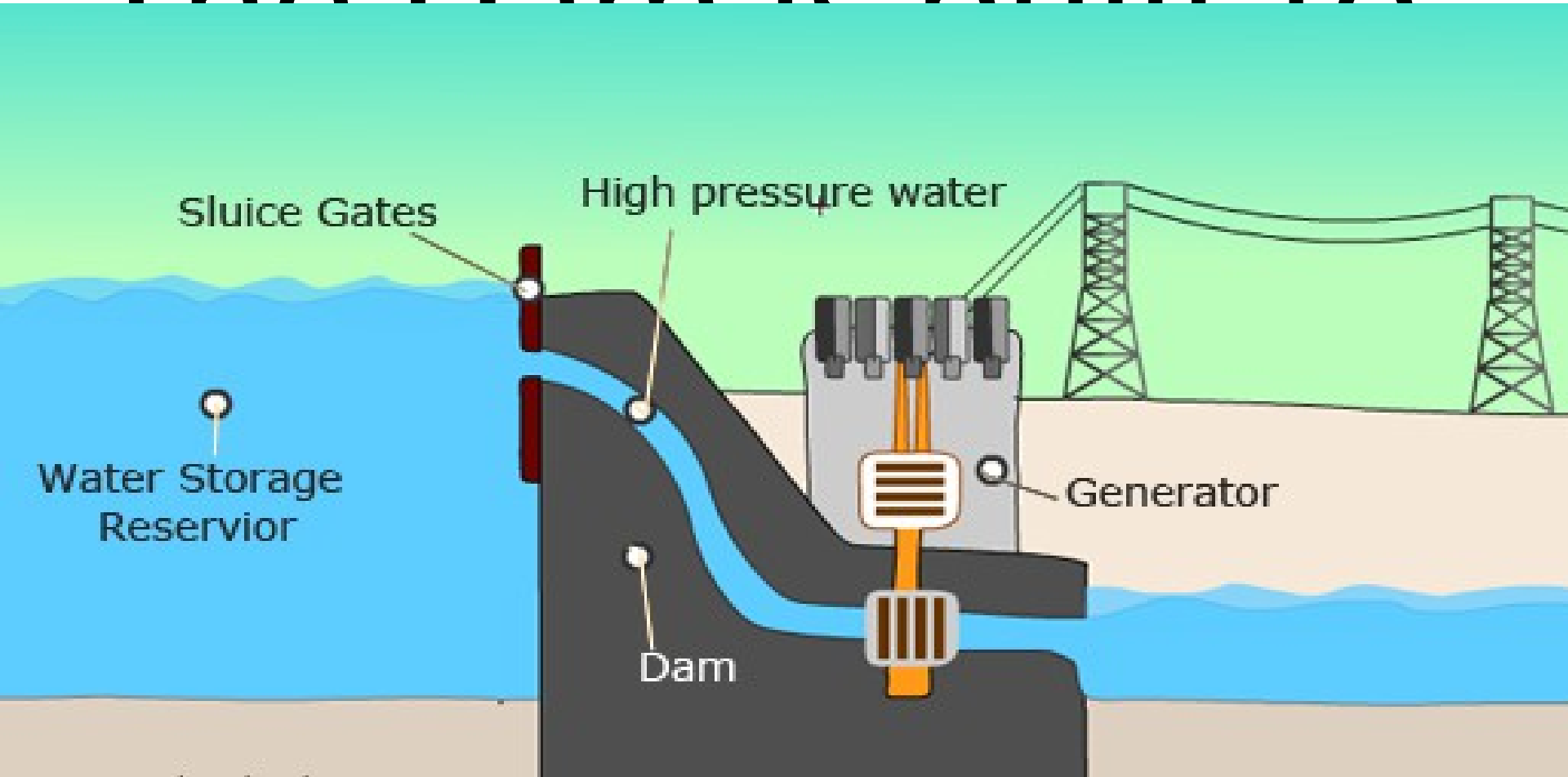
# Bio Mass



# Hydro Power

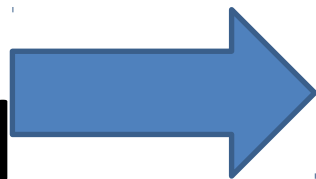


## The Dam is built to



# Geo

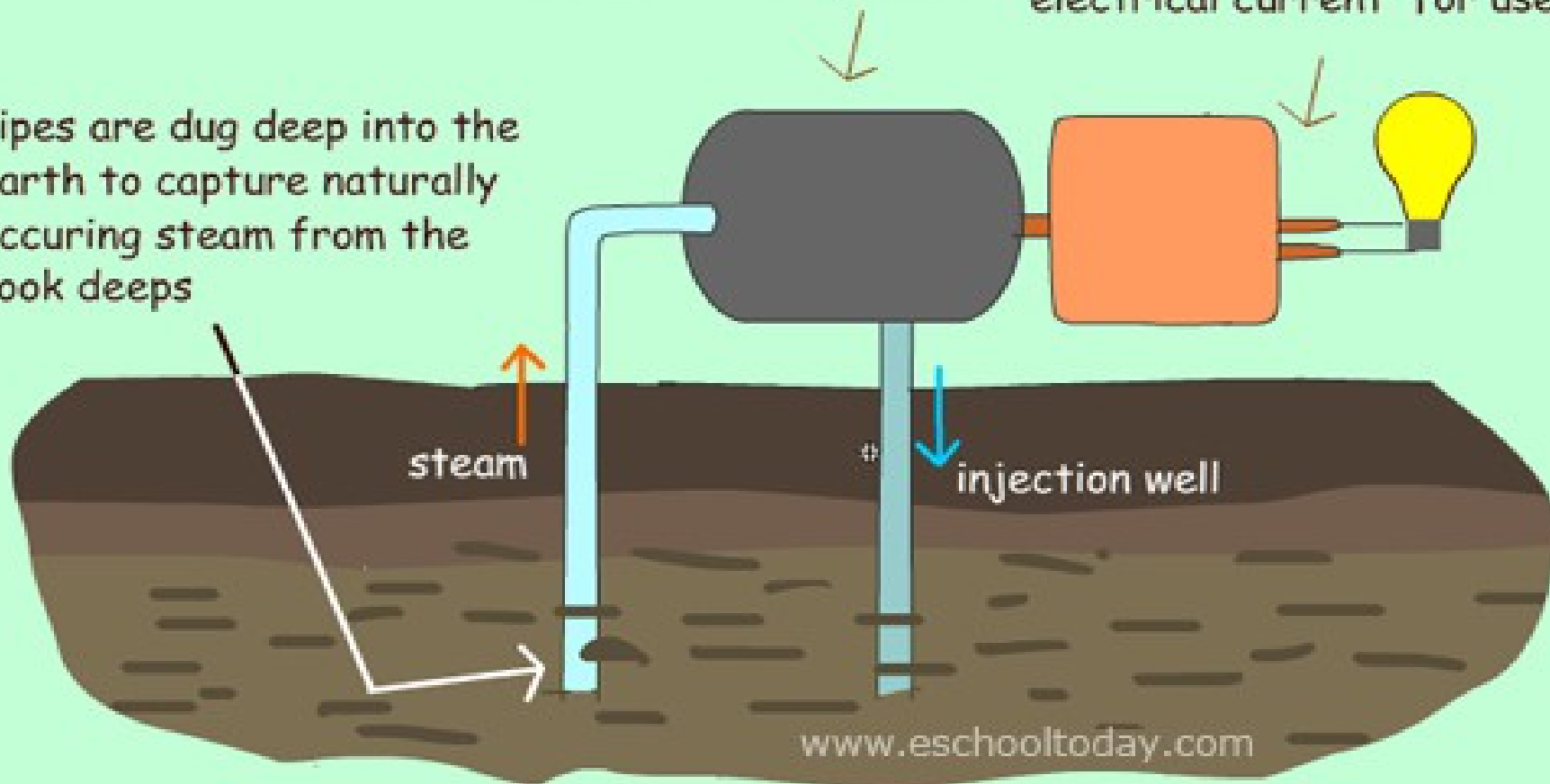
# Thermal



Steam is used to turn turbines in the system

Generators use Kinetic energy from the turbines to produce electrical current for use.

Pipes are dug deep into the earth to capture naturally occurring steam from the rock deeps

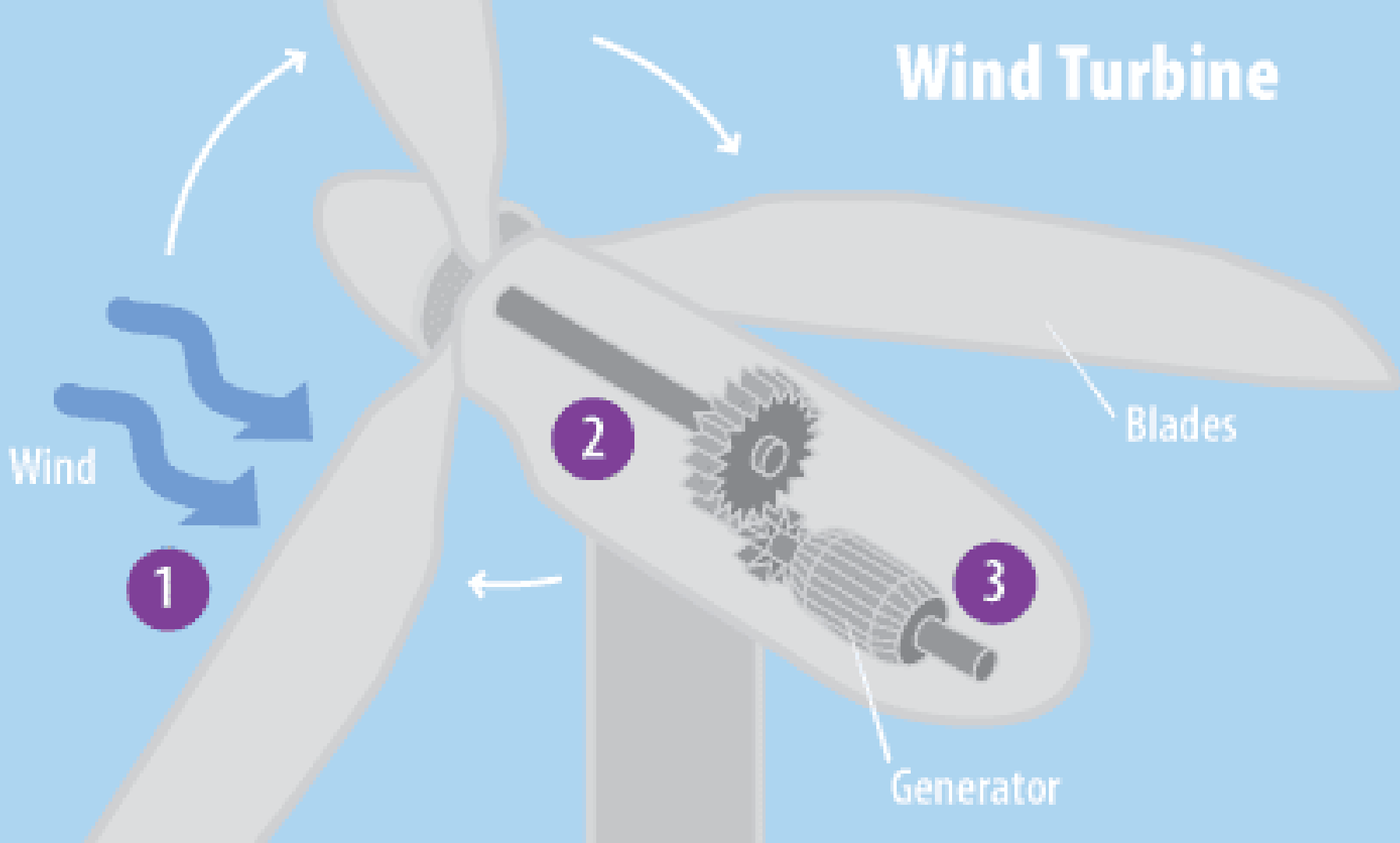




# Wind Energy



## Wind Turbine



Solar power is energy from the sun. Vast amounts of energy that are made freely available, if harnessed by modern technology.

