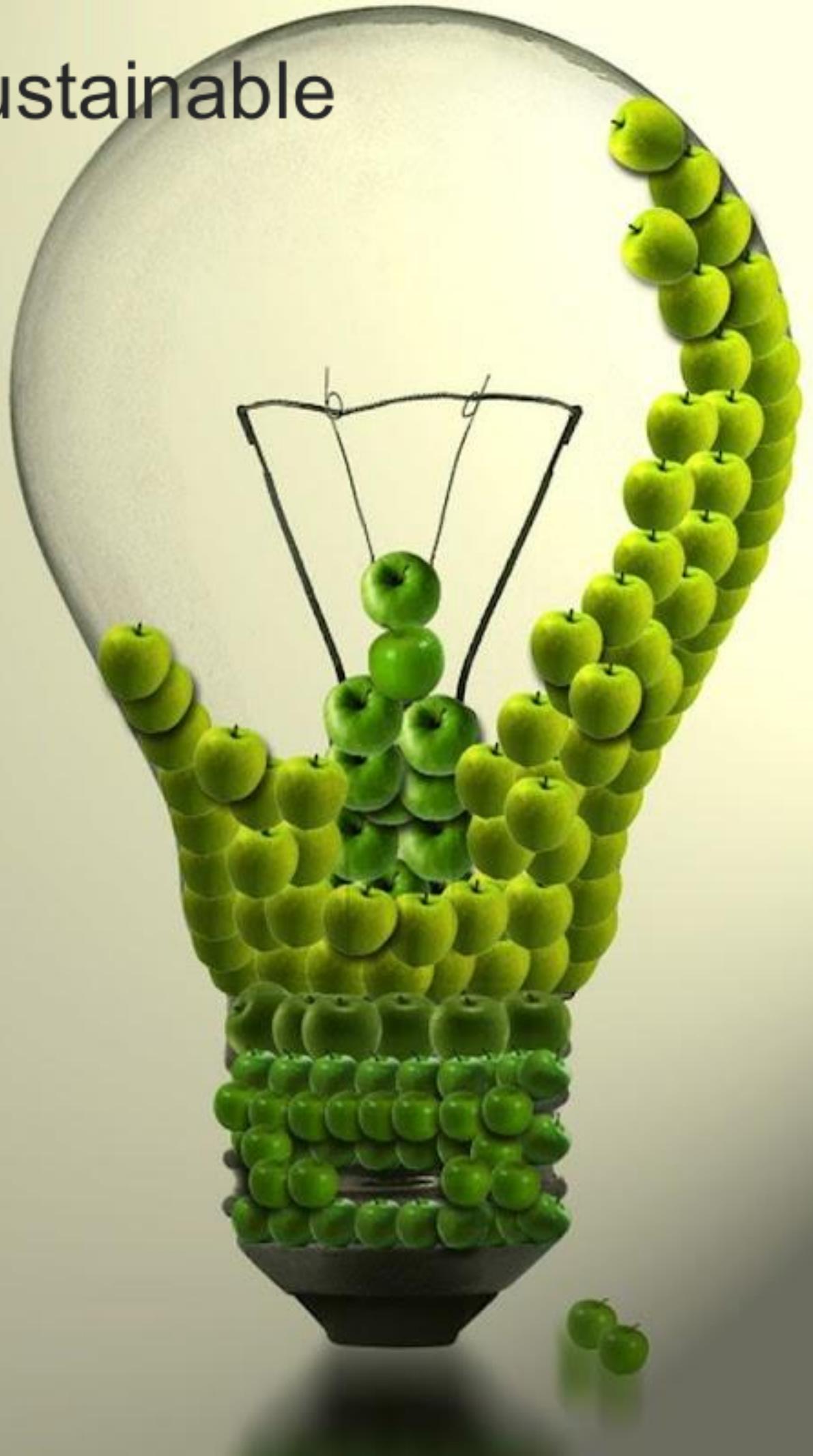


# Group Activity: Renewable Energy is it truly sustainable for the economy?

Group: ECONOMEME

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Renewable energy is an energy where its sources are "renewed" in certain intervals, thus replenishable and unlimited. One of the sources includes nuclear energy.

naturally renewing but flow-limited sources; renewable resources are nearly limitless in terms of length but have a finite amount of energy per unit of time (eia, 2021). Examples of renewable energy are biomass, solar, wind.

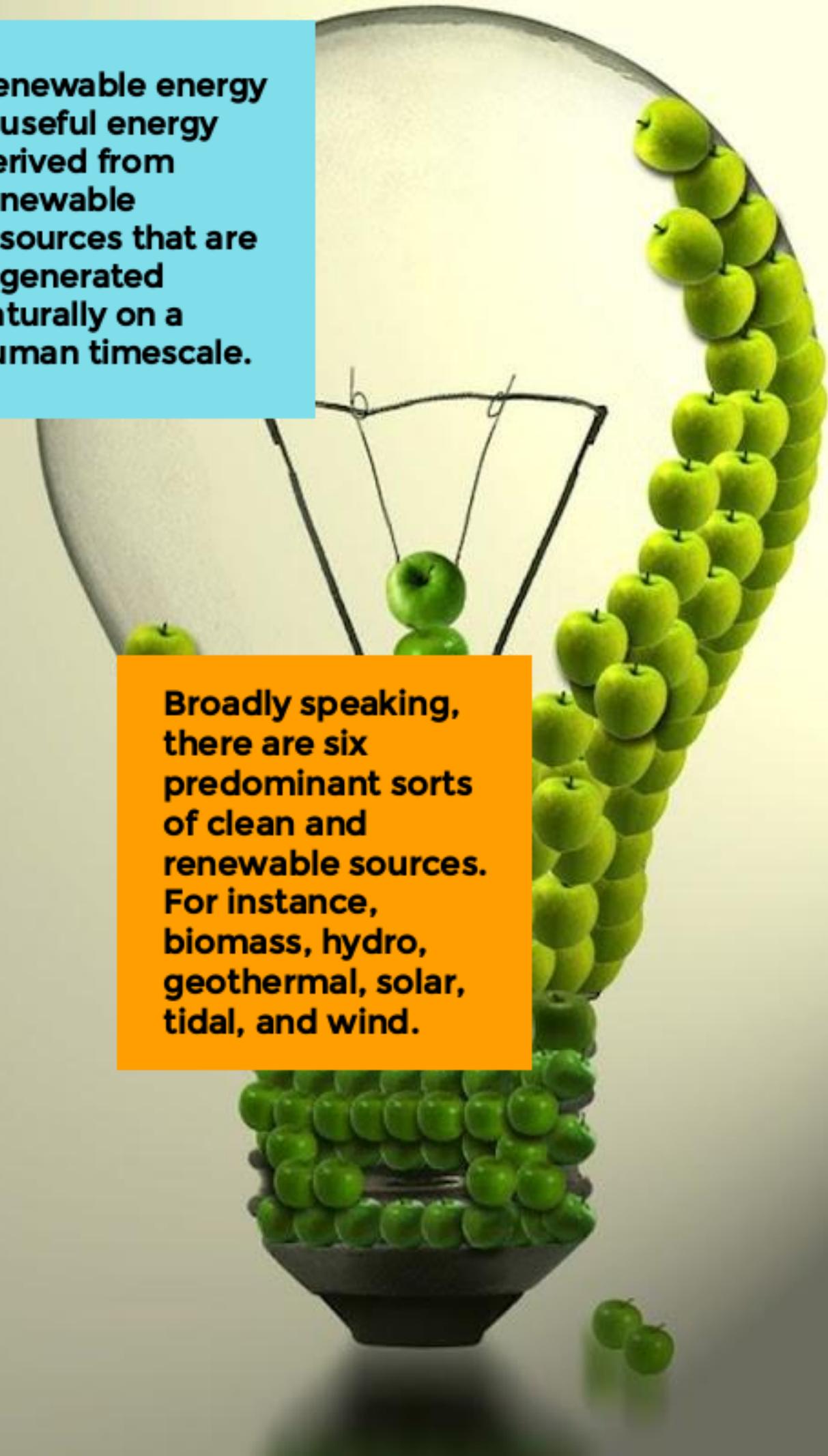
Renewable energy is useful energy derived from renewable resources that are regenerated naturally on a human timescale.

## Explain what is renewable energy.

It is a usable energy which is generated from naturally recurring processes and does not run out.

Renewable sources conjointly turn out clean energy, that means much less pollutants and greenhouse fueloline emissions, which make a contribution to weather change.

Broadly speaking, there are six predominant sorts of clean and renewable sources. For instance, biomass, hydro, geothermal, solar, tidal, and wind.



# Advantages :

**Renewable energy has numerous environmental benefits**

Renewable energy technologies use resources straight from the environment to generate power so it won't run out.

**Renewables lower reliance on foreign energy sources**

The sources for renewable energy generation emit little to no greenhouse gases or pollutants into the air

**Renewable energy technologies require less overall maintenance**

Renewable energy creates new job opportunities as it has quickly become a major source of new job growth

# Disadvantages :

**Renewable energy can be unreliable**

**High upfront costs**

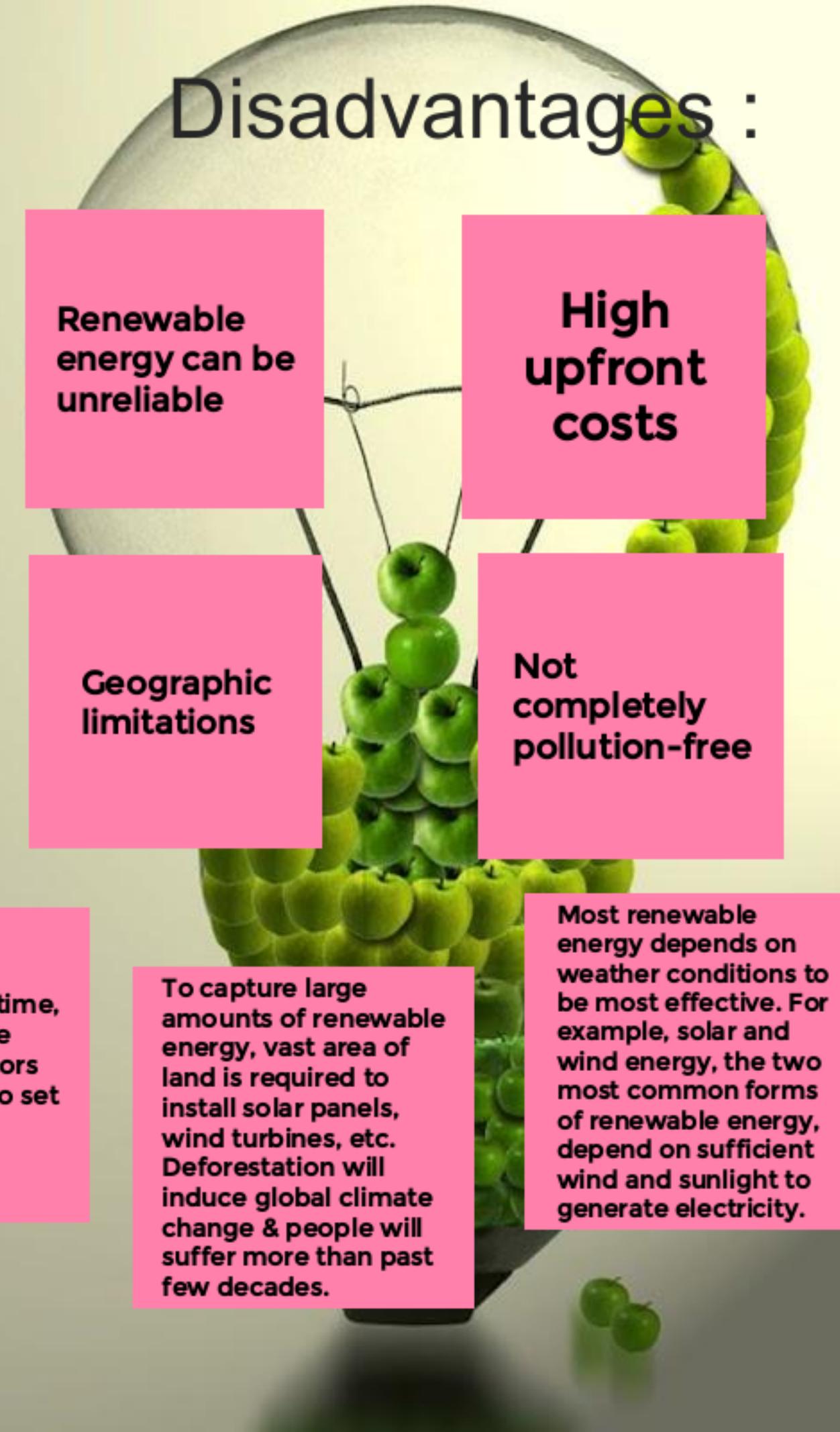
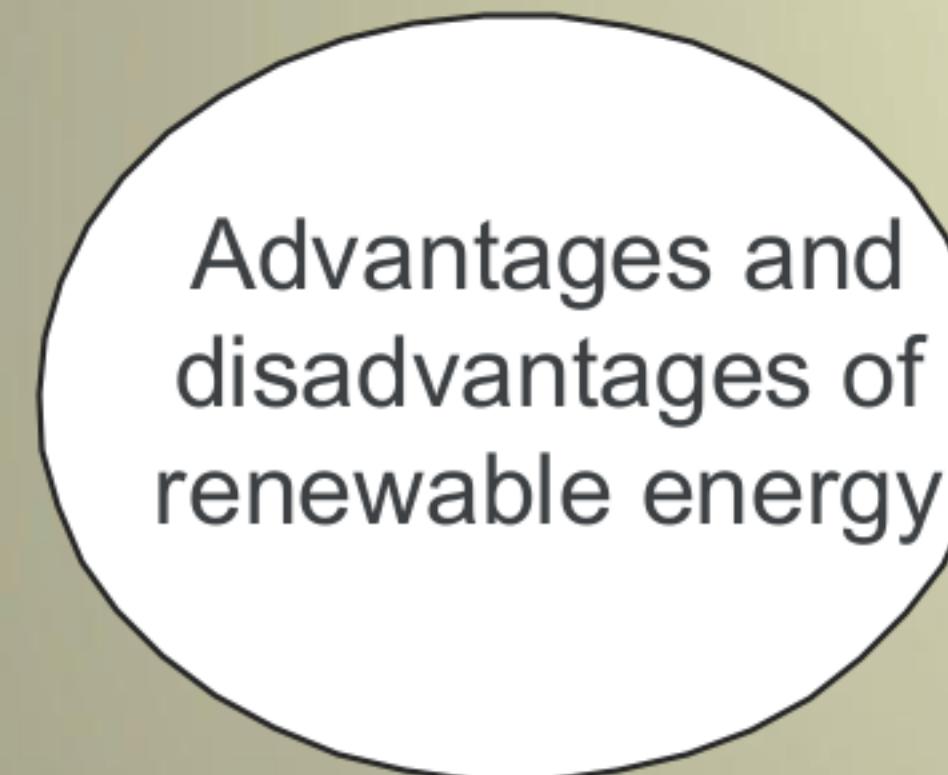
**Geographic limitations**

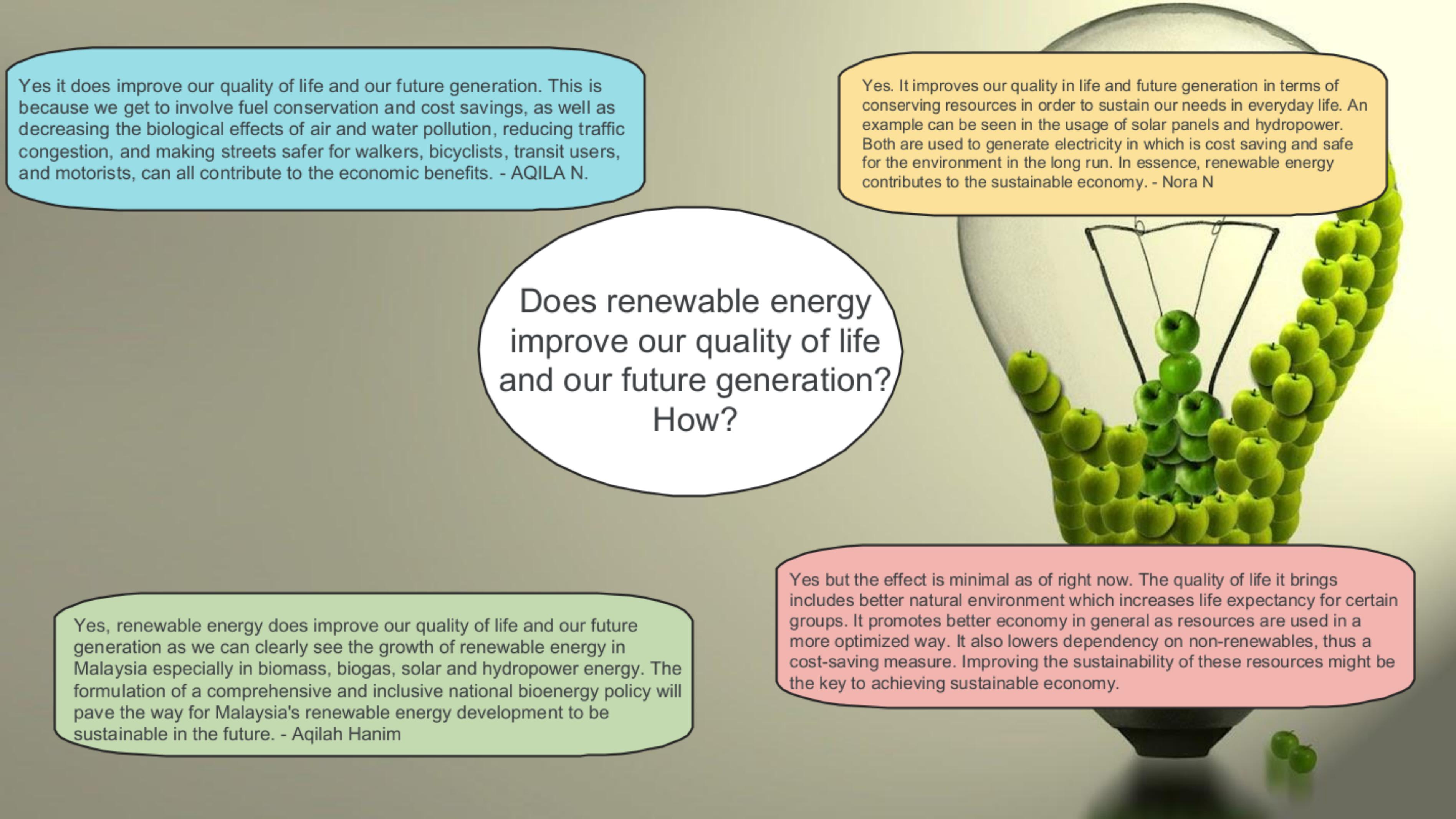
**Not completely pollution-free**

At the present time, most renewable energy generators are expensive to set up.

To capture large amounts of renewable energy, vast area of land is required to install solar panels, wind turbines, etc. Deforestation will induce global climate change & people will suffer more than past few decades.

Most renewable energy depends on weather conditions to be most effective. For example, solar and wind energy, the two most common forms of renewable energy, depend on sufficient wind and sunlight to generate electricity.





Yes it does improve our quality of life and our future generation. This is because we get to involve fuel conservation and cost savings, as well as decreasing the biological effects of air and water pollution, reducing traffic congestion, and making streets safer for walkers, bicyclists, transit users, and motorists, can all contribute to the economic benefits. - AQILA N.

Yes. It improves our quality in life and future generation in terms of conserving resources in order to sustain our needs in everyday life. An example can be seen in the usage of solar panels and hydropower. Both are used to generate electricity in which is cost saving and safe for the environment in the long run. In essence, renewable energy contributes to the sustainable economy. - Nora N

## Does renewable energy improve our quality of life and our future generation? How?

Yes, renewable energy does improve our quality of life and our future generation as we can clearly see the growth of renewable energy in Malaysia especially in biomass, biogas, solar and hydropower energy. The formulation of a comprehensive and inclusive national bioenergy policy will pave the way for Malaysia's renewable energy development to be sustainable in the future. - Aqilah Hanim

Yes but the effect is minimal as of right now. The quality of life it brings includes better natural environment which increases life expectancy for certain groups. It promotes better economy in general as resources are used in a more optimized way. It also lowers dependency on non-renewables, thus a cost-saving measure. Improving the sustainability of these resources might be the key to achieving sustainable economy.