

# Energy Homework

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## Assignment no. 31

Unit - 1

Lesson - 5

Topic: Energy

### Short answer questions:

1) Define energy and write its various sources.

→ Energy is the power derived from the utilization of physical or chemical resources especially to provide light and heat or to work machines.

→ Its various sources are biomass, coal, gas, oil, nuclear, water, wind, sun, geothermal, etc.

2) Write the importance of energy.

→ Energy is very important. It is required for cooking, running industries, running electrical appliances, etc. It can be used to lit the fire, run heater, etc. It is required to do our household works, to run offices, to run industries, etc. ~~It is~~ Energy determines the peace, prosperity and economic development of a country.

3) As Nepal is rich in water resources, we can produce plenty of Hydro-electricity and export it to different countries for the economic benefit. What do you think needs to be done to achieve this?

→ I think, We should make and invest in hydro-power projects and after there are plenty of hydro power projects. We have to



keep it for our country also. Then, the remaining hydropower projects <sup>can be</sup> ~~can~~ <sup>completed</sup> be exported to other countries.

But, we also need long distance electric lines to export hydro electricity. So, ~~howe~~ we can buy it or make it in our own country and export it to other countries.

4) Write the solutions for energy crisis in Nepal.

→ The solutions for energy crisis in Nepal are;

- Energy can be produced through hydro electricity. So, we can produce more hydroelectricity by doing more hydro <sup>power</sup> projects.
- We can ~~na~~ utilize wind and solar energy through wind mills and solar panels.



- Extracting minerals from our country. For eg.: uranium from Mustang.
- We can aware people to save energy.
- We can save energy by ~~not~~ turning off electrical appliances when not in use, using bicycles, etc.

5) Suggest the ways to solve the load shedding problems in Nepal.

→ The ways to solve the load shedding problems in Nepal are:

- Reducing unnecessary use of electric power at home.
- Use bright colour or paints at home.
- Use less electricity consuming appliances.
- Use alternative sources of energy.
- Aware public about proper use of electricity.