

Unit 1, Topic 4: Sources of Energy for Electrical Generation

- Using Microsoft Word, type up the following information. Save as **unit1topic4.html**. Remember to “Save As Type: Web Page (*.htm; *.html)”. Be sure to have a heading on all your web pages and include a subheading that states, “**Webpage created by [YOUR NAME]**”. Also, all your web pages should have FORWARD and BACKWARD links or buttons.
- Type **1.13** and complete the following table:

SOURCES OF ELECTRICITY	DESCRIPTION
Nuclear	
Hydroelectric	
Fossil Fuel	
Solar	
Wind	
Thermal	
Battery	
Hydrogen	

- Type **1.14** and find a picture that shows electrical distribution. Modify the picture so that it includes the following labels:
 - Electric station
 - Overhead wires
 - Substations
 - Consumers
- Type **1.15** and choose ONE(1) of the “SOURCES OF ELECTRICITY” from step #2 and explain, in a brief paragraph, all the possible ethical, legal or environment issues associated with this electrical source. Share your paragraph with the class.
- Type **1.16** and choose ONE(1) of the following “NEW TECHNOLOGIES” and, in a brief paragraph, write an brief *infomercial* for the technology:
 - Re-emergence of DC power
 - Hybrid vehicles
 - Miniaturization of circuitry
 - Quantum computer

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- Fluorescent and LED lights
- Conversion advances (solar cells, wind, small hydro and biomass)

6. Type **1.17** and explain your personal energy conservation rules (have a minimum of FIVE(5) rules you follow on a daily basis to conserve electricity).