

This is a study guide to help you to organize your notes based on the Objectives for this Module. This is not graded and is provided only as a study aid. To use it, fill in the table. Box 1 will ask you to redefine the terms or explain the concept. Box 2 will ask you to provide information about where you can find this information. Provide enough information in this box for you to be able to use this box as a reference to finding the information again. Box 3 will ask you to give an example or try to apply the concept to a new situation.

Understand, generally, where the U.S. gets its energy resources.

List the seven major energy resources in order from greatest to least used.	Where is this information located?
1	2
Based on the DOE website, list top five countries from which the U.S. imports oil.	Where is this information located?
1	2
Based on the textbook, list the areas of the US where we get coal. What type of coal is it?	Where is this information located?
1	2
Which areas of the world have the greatest coal reserves?	Where is this information located?

Understand “Peak Oil” and its importance to our future oil needs.

Define Peak Oil. When did this “peak” occur?	Where is this information located?	What can we do to fill the “gap”?
1	2	3

Describe the general patterns of energy consumption in the U.S. and Indiana.

How much energy do we use?	Where is this information located?	In your daily life, how do you use energy?
1	2	3

Explain where and how Indiana obtains its energy resources.

How does Indiana obtain energy?	Where is this information located?	Is this changing? How?
1	2	3

Identify the types of major fossil fuels, and their environmental impacts.

Fossil Fuel	Impacts	Where is this information located?
1		2

Understand how nuclear, geothermal, solar, water (hydropower), and wind energy work, the pros and cons of each, and their current and expected (future) use Recognize the main forms of alternative renewable forms of energy generation. (Make the table suggested in the module lecture which lists all of the forms of energy.)

Define renewable energy.	List the types.	Where is this information located?
1		2

Describe how nuclear energy works and the problems with using nuclear energy.

Define nuclear energy.	Explain the process by which it is created.	Where is this information located?
1		2

State the future alternatives for reducing the energy consumption of transportation.

How can we off-set gasoline consumption?	Where is this information located?	Are any of these feasible here in Indiana? Why or why not?
1	2	3

Recognize how a hybrid car works and how it compares to a normal car.

Define hybrid.	Explain how this works in comparison to a combustion engine vehicle.	Where is this information located?
1		2

Interpret important issues related to energy policy, energy conservation, and the concept of sustainable energy development.

Define Sustainability.	Where is this information located?	Knowing what you know about peak oil, Indiana's energy resources, and your own consumption, is our current energy usage sustainable? Why or why not?
1	2	3