

Earth/Environmental Science Homework & Test Review

Week 6: May 11th – May, 15th 2015

DUE DATE: Friday, May 15th

Weekly Reminders Checklist:

- Computer Lab on Tuesday, May 12th
- Quiz on Thursday, May 14th** on the different types of alternative sources of energy for North Carolina (solar, wind, biofuels, fuel cells, wave power, geothermal, nuclear fission and nuclear fusion)
- Biosphere Test Corrections & Extra Credit on Carrying Capacity due Friday, May 15th
- Have you checked PowerSchool to see if you have any missing assignments?

Vocabulary: Fill in the missing areas on the table below using your textbook, class activities and any other resources you find helpful.

Vocabulary Word	Definition	Example/Application
Sustainability		

Key Questions from the Week: Answer the questions below pertaining to this week.

1. Explain the political, social, and environmental connections to sustainable land use.

Category	Connections to Sustainable Land Use
Political	
Social	
Environmental	

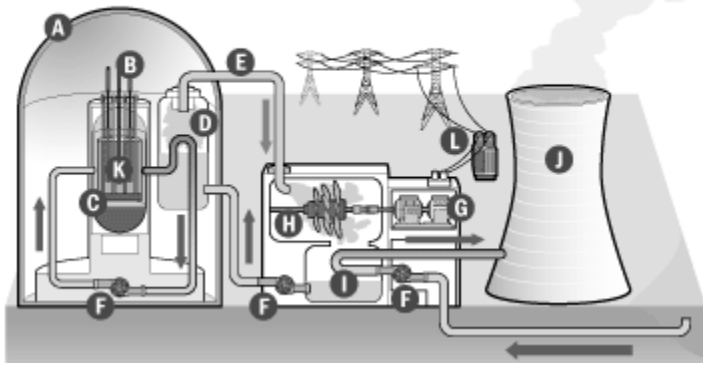
2. What is the difference between nuclear fission and nuclear fusion?

3. What are some pros and cons for nuclear power?

Diagram: Label the parts of the nuclear power plant below. And provide a brief explanation on how energy is generated.

Inside a Nuclear Power Plant

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- A _____
- B _____
- C _____
- D _____
- E _____
- F _____
- G _____
- H _____
- I _____
- J _____
- K _____
- L _____

Explain how power is generated in a nuclear power plant:

Alternative Sources of Energy for North Carolina

****Computer Lab Activity****

Complete the table below

Name	Description	Pros	Cons
Solar			
Wind			
Biofuels			
Fuel Cells			
Wave Power			
Geothermal			

Research Question for the Week: Conduct research using the library and internet resources to answer the following question:

Research one example of alternative energy in North Carolina answering the following...

Example in NC: _____

Type of Alternative Energy: _____

Location: _____

How long has it been operational? _____