

Name \_\_\_\_\_ State \_\_\_\_\_ Date Due \_\_\_\_\_

## 9.3 - Guide

Key Issue: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. Most of the energy resources used by humans are \_\_\_\_\_.

2. Define **Supply**. (Requires Sentence.)

3. Define **Demand**. (Requires Sentence.)

4. Around 80% of the world's energy needs are supplied by what three sources?

Type	Description
1.	
2.	
3.	

5. Define fossil fuel. (Requires Sentence.)

6. Two inequalities in the global distribution of fossil fuels.

Demand →
Supply →

7. Principal types of energy consumption in the United States.

Type	Description
1.	
2.	
3.	

8. Global distribution of Energy Supply.

Energy Type	Description of Distribution
1.	
2.	
3.	

9. Which state produces at least 20 quad BTUs of all three of the fossil fuels? (Requires Sentence)

10. The United States and Europe import more than \_\_\_\_\_ their petroleum, and Japan imports more than \_\_\_\_\_ %.

11. List out at least 10 items made from petroleum that are NOT gasoline related.


12. What is plastic made from? (Requires Sentence)

13. Resources

Type	Definition/Description	Examples
Renewable →		
Nonrenewable →		

14. Converting from fossil fuels.

Disadvantages →
Advantages →

15. Define **proven reserve**. (Requires Sentence)

16. Define **potential reserve**. (Requires Sentence)

17. Proven Energy Reserves

Type →	Description
<b>Coal →</b>	
U.S. %	
State highest %	
Type →	Description
<b>Natural Gas →</b>	
U.S. %	
State highest %	
Type →	Description
<b>Petroleum →</b>	
U.S. %	
State highest %	

18. Potential Energy Reserves

Undiscovered fields ->
Enhanced recovery ->
Unconventional sources ->

19. What are oil sands? (Requires Paragraph)

20. Define **fracking**. (Requires Sentence)

21. What is OPEC? (Requires Paragraph)

22. United States Petroleum Sources in % of total

	1973	2012
Domestic		
Canada		
Mexico		
Saudi Arabia		
Venezuela		

24. Define **fission**. (Requires Sentence)

25. Define **radioactive waste**. (Requires Sentence)

26. Define **breeder reactor**. (Requires Sentence)

27. Renewable Energy

Type → Description
Hydroelectric Power →
Biomass →
Wind Power →
Geothermal Energy →
Nuclear Fusion →



28. In THREE paragraphs, describe the changing of U.S. petroleum sources over time. (Pages 320 - 321)

**One of questions #28, #29, & #30 MUST be answered in order to receive credit for this assignment. The other two may be answered for 20 points extra credit each. Keep in mind all of this information is testable.**

29. In THREE paragraphs, describe the advantages, disadvantages, and challenges of using nuclear energy. (Pages 322 - 323) **One of questions #28, #29, & #30 MUST be answered in order to receive credit for this assignment. The other two may be answered for 20 points extra credit each. Keep in mind all of this information is testable.**

30. In THREE paragraphs, compare and contrast passive and active solar energy. (Pages 326 - 327)

**One of questions #28, #29, & #30 MUST be answered in order to receive credit for this assignment. The other two may be answered for 20 points extra credit each. Keep in mind all of this information is testable.**

KEY ISSUE CHECK IN (May write word for word)

Key Issue: \_\_\_\_\_  
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Check-In Statements \_\_\_\_\_  
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