

Name \_\_\_\_\_ Class period \_\_\_\_\_

Introduction to energy web-quest scavenger hunt. You can find the answers at <http://www.eia.gov/kids/>

**Part 1** answers found at [http://www.eia.gov/kids/energy.cfm?page=about\\_forms\\_of\\_energy-basics](http://www.eia.gov/kids/energy.cfm?page=about_forms_of_energy-basics)

1. There are two main forms of energy, define each one on the lines below.

Kinetic energy \_\_\_\_\_

\_\_\_\_\_

Potential Energy \_\_\_\_\_

\_\_\_\_\_

2. There are 5 categories of Kinetic energy, list them below and give an example for each one

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

3. There are 4 categories of Potential energy, list them below and give an example for each one

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

**Part 2** answers can be found at [http://www.eia.gov/kids/energy.cfm?page=about\\_home-basics](http://www.eia.gov/kids/energy.cfm?page=about_home-basics)

4. There are two different categories of energy sources they are, define each one on the lines below.

Renewable energy is \_\_\_\_\_

\_\_\_\_\_

Nonrenewable energy is \_\_\_\_\_

\_\_\_\_\_

5. There are 5 renewable energy sources, list them below.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. There are 4 nonrenewable energy sources, list them below.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

Take the quiz at <http://www.eia.gov/kids/energy.cfm?page=quiz> below are the questions write the correct answer below the question.

1. Most of the energy we use originally came from

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2. Electrical energy can be produced from

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3. Which uses the most energy in American homes each year?

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4. The U.S. consumes lots of energy. Which fuel provides the most energy?

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5. Coal, petroleum, natural gas, and propane are fossil fuels. They are called fossil fuels because:

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6. Gasoline is produced by refining which fossil fuel?

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7. Propane is used instead of natural gas on many farms and in rural areas. Why is propane often used instead of natural gas?

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8. What sector of the U.S. economy consumes most of the nation's petroleum?

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9. Natural gas is transported mainly by

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10. Global warming focuses on an increase in the level of which gas in the atmosphere?

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11. Solar, biomass, geothermal, wind, and hydropower energy are all renewable sources of energy. They are called renewable because they

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12. Today, which renewable energy source provides the U.S. with the most energy?

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13. Electricity is the movement of

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14. How much of the energy in burning coal reaches the consumer as electricity?

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15. In a nuclear power plant, uranium atoms

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BONUS (+7%) Which question on the quiz did you find interesting and why?

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