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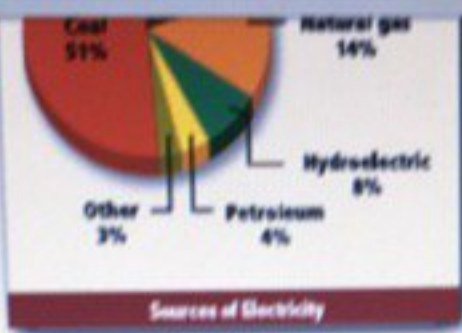
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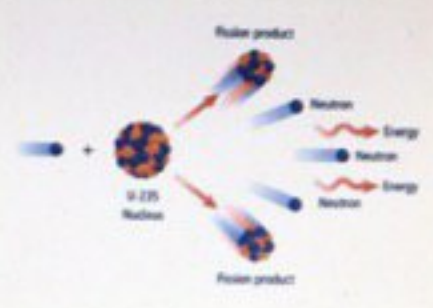
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What does the following figure describe?



- a. Nuclear fission
- b. Nuclear reactor
- c. A constant rate
- d. Nuclear fusion

In the process of generating electrical energy that results from burning fossil fuel. Which of the following represents correct consequence of energy conversion?

- a. Mechanical energy → Thermal energy → Electrical energy → Chemical potential energy
- b. Chemical potential energy → Mechanical energy → Thermal energy → Electrical energy
- c. Chemical potential energy → Electrical energy → Mechanical energy → Thermal energy
- d. Chemical potential energy → Thermal energy → Mechanical energy → Electrical energy

What is the fuel formed as swampy plant material, buried beneath sediments, decayed and compacted into peat ?

- a. Uranium
- b. Coal
- c. Petroleum
- d. Natural Gases

Which of the following is a disadvantage of using nuclear power plants for producing electrical energy?

- a. Nuclear power plants are not expensive to build
- b. Produces radioactive waste that can be harmful to living organisms
- c. Do not produce the air pollutants
- d. Do not release carbon dioxide into the atmosphere



Which of the following methods (procedures) do not contribute to reducing pollution?

- a. Recycling and reusing some materials
- b. Reducing the amount of consumable materials we use
- c. Compost some yard and kitchen waste
- d. Using private vehicles (cars) instead of buses

Which of the following is considered as a non-renewable resource of energy?

- a. Energy from the oceans
- b. Energy from the sun
- c. Energy from fossil fuel
- d. Energy from the inside of the earth

Which of the following is an example of the conversion of gravitational potential energy into electrical energy?

- a. Solar cells
- b. Water retained behind the dam
- c. windmills
- d. Combustion of animal fertilizers

Which of the following is not considered as a source of water pollution?

a. Chlorofluorocarbons (CFCs)

b. Industry

c. Oil and gas

d. Human waste

In the mid-1800s, human population began to increase at a rapid rate. Which of the following is one of the factors that caused this increase?

- a. Lower average age of people
- b. Advances in modern medicine
- c. High pollution of drinking water
- d. Decreasing of the number of births