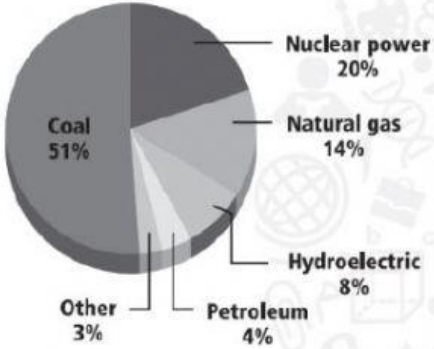


Name: \_\_\_\_\_ Grade 9: \_\_\_\_\_ Date: \_\_\_\_/04/2022

**Instructions:** Read each question carefully before you answer. **DO NOT LEAVE ANY QUESTION BLANK!**

**Question 1: Multiple Choice – Circle the correct answer [6 marks]**

<p><b>1.1 Why do fusion reactions occur in the sun?</b></p> <p>A Because the sun is further away from the earth          B It makes less energy than fission reactions          C The temperatures are high enough on the Sun          D All of the above</p>	<p><b>1.2 Which fossil fuel stores the most energy?</b></p> <p>A Wood          B Coal          C Natural Gas          D Petroleum / Oil</p>
<p><b>1.3 What percentage of electricity came from fossil fuels?</b></p> <div data-bbox="331 768 766 1115">  </div> <p>A 51%          B 55%          C 69%          D 84%</p>	<p><b>1.4 Which is NOT an example of nuclear waste?</b></p> <p>A Water          B Carbon Dioxide          C Radioactive U-235          D Air filters</p>
<p><b>1.5 _____ are non-renewable resources.</b></p> <p>A Coal          B Oil          C Natural Gas          D All the above</p>	<p><b>1.6 Which part of a nuclear power plant controls a chain reaction?</b></p> <p>A Control rod          B Fuel rod          C Nuclear reactor          D Turbine</p>

**Question2: Short Answers [4 marks]** Use the word box to complete the statements.

<b>Petroleum</b>	<b>Coal</b>	<b>Nonrenewable</b>	<b>Fission</b>
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- 2.1 The Barakah Nuclear Power Plant in Abu Dhabi uses \_\_\_\_\_ reactions to make electricity.
- 2.2 Burning 3 million kg of \_\_\_\_\_ produces the same amount of energy in 1g of Uranium.
- 2.3 Plastics and make-up products are made from \_\_\_\_\_.
- 2.4 Even though nuclear power makes more energy than fossil fuels, it is still \_\_\_\_\_.

**Question 3: Long answers [2 marks]**

What happens to the neutrons that are released in a chain reaction?

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