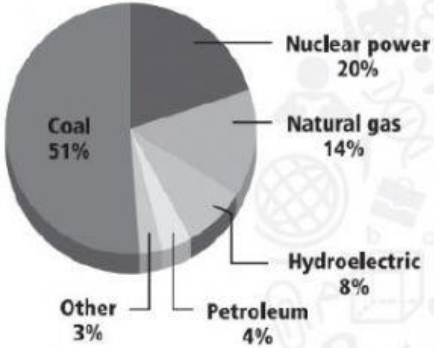


Name: _____ Grade 9: _____ Date: ____/04/2022

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

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

1.1 Why do fusion reactions occur in the sun? 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	1.2 Which fossil fuel stores the most energy? A Wood B Coal C Natural Gas D Petroleum / Oil
1.3 What percentage of electricity came from fossil fuels?  A 51% B 55% C 69% D 84%	1.4 Which is NOT an example of nuclear waste? A Water B Carbon Dioxide C Radioactive U-235 D Air filters
1.5 _____ are non-renewable resources. A Coal B Oil C Natural Gas D All the above	1.6 Which part of a nuclear power plant controls a chain reaction? A Control rod B Fuel rod C Nuclear reactor D Turbine

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

Petroleum	Coal	Nonrenewable	Fission
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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?

