



Umm Al Arab School
Science Department: Grade 9
Mini Quiz: 101 and 10.2

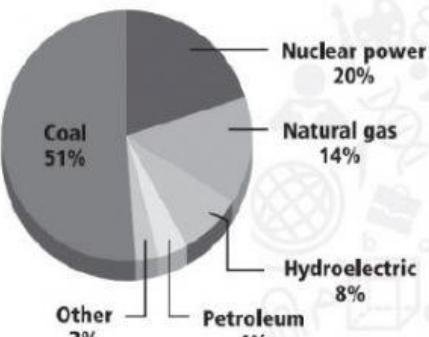
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Name: _____

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?  <table border="1"><tr><td>Coal</td><td>51%</td></tr><tr><td>Nuclear power</td><td>20%</td></tr><tr><td>Natural gas</td><td>14%</td></tr><tr><td>Hydroelectric</td><td>8%</td></tr><tr><td>Petroleum</td><td>4%</td></tr><tr><td>Other</td><td>3%</td></tr></table> A 51% B 55% C 69% D 84%	Coal	51%	Nuclear power	20%	Natural gas	14%	Hydroelectric	8%	Petroleum	4%	Other	3%	1.4 Which is NOT an example of nuclear waste? A Water B Carbon Dioxide C Radioactive U-235 D Air filters
Coal	51%												
Nuclear power	20%												
Natural gas	14%												
Hydroelectric	8%												
Petroleum	4%												
Other	3%												
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												

Question 2: 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?

