**END OF UNIT TEST – HOW ENERGY IS GENERATED AND STORED**

*Answer all questions*

*The marks allocated for each question are indicated in brackets*

*You have* ***40 minutes***

***34 marks in total***

*Q1: Name two advantages of using solar energy [3]*

1. *………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*
2. *………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

*Q2: Name the machine used to generate power from the wind: [1]*

*……………………………………………………………………………………………………………………………………………………………*

*Q3 The diagram below that illustrates Hydropower (hydroelectricity) [4] Place the following words in the correct order*

*Power lines reservoir generator turbine*



D

|  |  |
| --- | --- |
| *A* |  |
| *B* |  |
| *C* |  |
| *D* |  |

C

A

B

*Q4: Name the gas that is created by rotting vegetation underwater [1]*

*------------------------------------------------------------*

*Q5: Name two renewable sources of energy [2]*

1. *…………………………………………………………………………………………………………………………………………*
2. *…………………………………………………………………………………………………………………………………………*

*Q6: What is a disadvantage of geothermal energy [1]*

*………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

*Q7: Describe how coal is created [3]*

*…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

*Q8: Name three biomass fuel sources [3]*

1. *…………………………………………………………………………………………………………………………………………*
2. *…………………………………………………………………………………………………………………………………………*
3. *…………………………………………………………………………………………………………………………………………*

*Q9: Name one fuel used in the generation of nuclear energy [1]*

*…………………………………………………………………………………………………………………………………………*

*Q10: The diagram below that illustrates how oil is formed. Place the following words in the correct order.*

*The sea rock layer crude oil sea bed oil rig*

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5)

4)

3)

2)

1)

*Q11: Discuss the advantages and disadvantages of wind power in industry. (6)*

*………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

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*Q12:*

*Study these trainers below, they contain an insole that provides two and a half hours of phone charge from a one hour walk.*

*i) What type of energy is used to generate the electricity? (1 mark)*

*…………………………………………………*

*ii) Explain what benefits this type of energy can have for the user. (3 marks)*

*…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

*………………………………………………………………………………………………………………………………………………………………………………….*

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Total marks= your mark / 34 Percentage= Grade=