

Section 1: Multiple Choice

Answer section

Circle your answer in the section below:

- | | |
|-----------------------|------------------------|
| 1. A B C D | 6. A B C D |
| 2. A B C D | 7. A B C D |
| 3. A B C D | 8. A B C D |
| 4. A B C D | 9. A B C D |
| 5. A B C D | 10. A B C D |

Total for M/C: 11 / 10 marks (1 mark each)

SECTION 2: WRITTEN

Write your answers in the spaces provided.

1. a) potential (1)
- b) potential (1)
- c) potential (1)
- d) kinetic (1)
- e) kinetic (1)

(1) mark each: 5 marks

2. a) electrical f) water
 b) heat g) petrol / fuel / ^{or} crude oil
 c) bread h) heat
 d) light i) piston / engine
 e) sun

(1 mark each: ____ / 9 marks)

3. Problem 1: Any 2 different problems (1) each.
eg: non-renewable, CO₂ emissions, smog.

Problem 2: _____

(1 mark each: ____ / 2 marks)

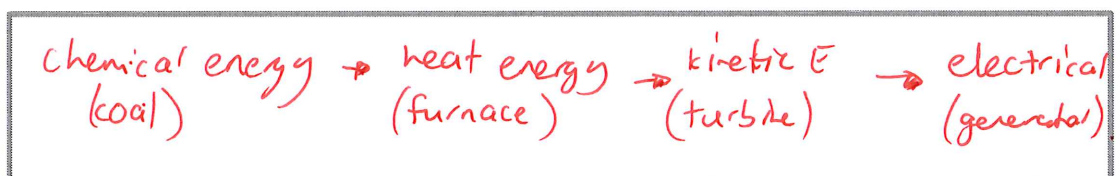
4. Answer: 650 J. - (2) (____ / 2 marks)

Area for working out:

$$\begin{aligned} \text{output} &= \% \times \text{input} \quad (1) \\ \text{output} &= \frac{65}{100} \times 1000 = \underline{650 \text{ J}} \quad (1) \end{aligned}$$

part marks

5. Energy flow diagram



(____ / 2 marks)

END OF TEST

Multiple Choice: ____ /10

Written: ____ /20

TEST TOTAL: ____ /30