Year 8 Physics 1 Topic Test Answer Sheet Name: Solutions.
2017. (By T. Johnson).

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~~

(1 mark each)

Total for M/C: _____ / 10 marks

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
b) heat
c) bread
d) light
e) sun
f) water
g) petrol / fuel / crude oil
h) heat
i) piston / engine.

(1 mark each: ____ / 9 marks)

3. **Problem 1:** Any 2 different problems (1) each.
eg: non-renewable, CO_2 emissions, smog.

Problem 2: _____

(1 mark each: ____ / 2 marks)

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

Area for working out:

output = % × input (1)
output = $\frac{65}{100} \times 1000 = 650$ J (1)
part marks

5. Energy flow diagram

chemical energy (coal) → heat energy (furnace) → kinetic E (turbine) → electrical (generator)

(____ / 2 marks)

END OF TEST

Multiple Choice: ___ /10

Written: ___ /20

TEST TOTAL: ___ /30