

Name _____ Class _____

- 1 a Write the type of energy underneath each picture. The words you need are in the box.

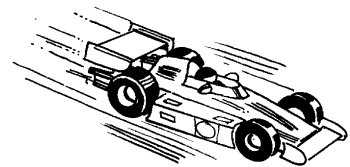
chemical	kinetic	light	strain
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A packet of crisps



A lit candle



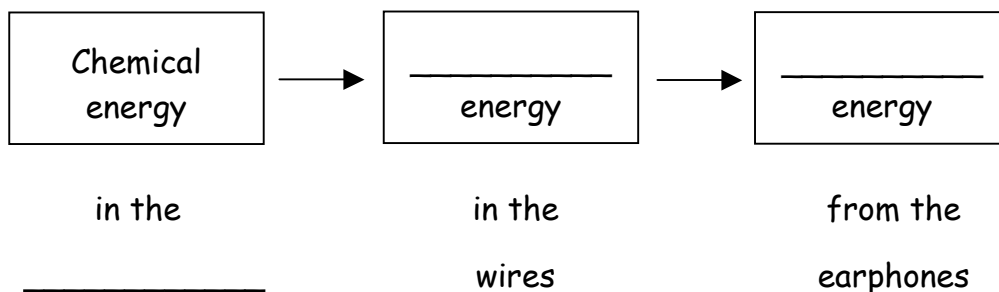
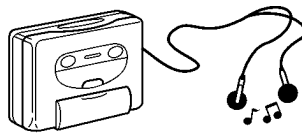
A moving car

[3 marks]

- b What other type of energy is given out by a candle flame?

[1 mark]

- 2 Fill in the gaps on this energy flow diagram.



[3 marks]

3 A car engine uses chemical energy, and changes it to other forms of energy.

a Name three kinds of energy that a car engine transfers.

i _____

ii _____

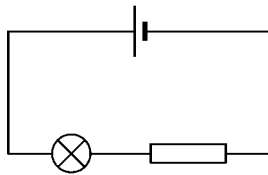
iii _____ [3 marks]

b A car engine has an efficiency of 25%. 100 J of chemical energy is used.

How much useful energy is produced?

_____ [1 mark]

4 a Add a voltmeter to this circuit to measure the voltage across the bulb.



[1 mark]

b What are the units for measuring voltage? _____ [1 mark]

c Complete these sentences.

You can see the bulb glowing because it gives out _____ energy.

When you touch the bulb it is hot because it also gives out _____

energy. [2 marks]