

PREP 1 • LESSONS 1–2

Complete circuits and current

Circuit symbols • ammeters • current as a flow of charge • $Q = It$
 SCORE
/10

Name _____ Class _____ Due _____

Do Now REMEMBER

From earlier lessons • 1 mark each

1 State the law of conservation of energy. [1]

2 Define power. [1]

3 Describe how a line of best fit should be drawn. [1]

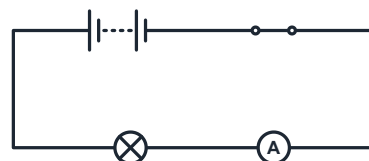
Key ideas LESSONS 1–2

Show your working

4 Look at this circuit.

 a The ammeter is connected in series parallel [1]
with the lamp.

b The switch is opened. Explain why the lamp goes out. [1]



c Describe the current at different points in this loop. [1]

 5 A current of 0.40 A flows through a lamp for 60 s. Use $Q = It$
Calculate the charge that flows through the lamp. [3]

6 State what is meant by electric current. [1]