

**Electric circuits 1**

**Name:** .....

1. When two objects are rubbed together they gain opposite charges.

(a) What is the name of the charged particles that move from one object to the other?

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(b) are they positively or negatively charged? .....

2. (a) Two objects with the same charge will..... each other.

(b) Two objects with opposite charges will ..... each other.

3. What charge has an electron (a) positive (b) negative (c) neutral?

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4. A flow of charge through a wire is called

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5. What are the full and shortened names of the unit of electric current?

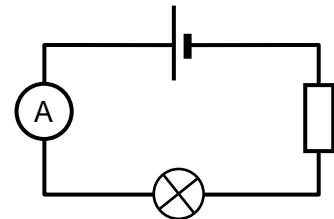
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6. An electric current in a metallic conductor is a movement of

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(an exact answer is required here with the correct name of the charges)

7. What component in the circuit shown in the diagram gives the energy for this movement to take place?



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8. Using the ideas from your answer to question 6 explain the difference between a metallic conductor and an insulator.

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