AMPERES – CURRENT ELECTRICITY

| Electric current is the _ | | |
|------------------------------|---|---|
| Measures how many second. | | pass a point in a conductor in 1 |
| Гће | the current, the | the electrons move. |
| Current is measured in | | (amps) or milliamps by a device called an |
| coulomb | 1 ampere = 1 coulom | b of charge per second (named after Charles Coulomb) |
| * 1 Amp (A) = 1 | 000 milliamps (mA) | |
| ELECTRIC CUR | RENT | |
| caused by the flo | e thought that electricity ow of fluid from the "+" nis direction is called | |
| flow of electrons | nat electricity is caused from the "-" to the "+" called | terminals. |
| • Direct current (I | OC) – current flows in _ | ie. from a cell |
| Alternating curre | ent (AC) - electrons | direction. ie. through an electric outlet |
| o China – 22 | the current reverses dir 20 V, 50 Hz ngdom -230, 50 Hz | rections 60 times a second (60 Hertz, with 120 V) |
| o Taiwan - 1 | 110 V, 60Hz | |

| CONDUCTIV | ITY: | | | | |
|---|------------------|----------------|--------------------|--|--|
| Electric Current also requires CONDUCTANCE = | | | | | |
| | | | | | |
| The | ne depends on ho | | electrons can flow | | |
| through a mate | _ | | | | |
| (a) CONDUCT | ORS | (b) INSULATORS | | | |
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| | | | | | |
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| SCHEMATIC DIAGRAMS: | | | | | |
| SCHEMATIC DIAGRAMS. | | | | | |
| OBJECT | SYMBOL | | NOTES | | |

Ammeter