

Task sheet 1: Electricity

Answer the following in your CW.

1. Define the term Electricity.
2. What do you understand by Static electricity? How does this happen?
3. Write a short note on Static discharge.
4. How is the flow current different to the flow of electrons?
5. Define current. Give the formula and its unit.
6. Write 3 points on electric charges.
7. Give 3 differences between conductors and insulators with examples.
8. What is the difference between D.C and A.C current?
9. Draw symbols for the following:
 - (i) Battery
 - (ii) Switch
 - (iii) Resistance
 - (iv) Conducting wire
 - (v) Capacitor
10. Write short notes on Series and Parallel circuits.
11. What do you understand by the term resistance?
12. What are the factors that affect resistance?
13. What is Voltage?
14. Define Ohm's law. Give the formula with its units.
15. State the use of the following instruments:
 - (i) Ammeter
 - (ii) Voltmeter
 - (iii) Battery
 - (iv) Resistor