

NATURAL SCIENCE UNIT 5. ELECTRICITY AND MAGNETISM

1. Read the definitions and write the terms.

_____ : a flow of electric charge through a conductor.

_____ : a continuous conducting path that an electric current can flow along.

2.

Match the examples to the sentences that describe their use.

- a) a hairdryer b) a Maglev c) a speaker d) electrolysis
e) an oven f) an electric bell g) electroplating h) an electric motor

An electric current produces thermal energy: _____ and _____.

An electric current produces a chemical reaction: _____ and _____.

An electromagnet produces sound energy: _____ and _____.

An electromagnet is used for transport: _____ and _____.

3. Unscramble the words and then match them to the definitions.

- a) mscospa b) clyolestries c) aenormhsegtpe

- _____ _____ _____
____ A chemical reaction produced when electric current flows through a solution.
____ The Earth's magnetic field that protects us from solar radiation.
____ An instrument which always points north.

4

Match the words to the definitions.

- | | |
|-----------------------------|---|
| The magnetosphere | A magnetised needle that helps us navigate. |
| The geographical north pole | The Earth's magnetic field. |
| Solar radiation | Harmful energy produced by the Sun. |
| A compass | The south pole of the magnetosphere. |

5. Complete the concept map to summarise the unit.

