

## 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.

