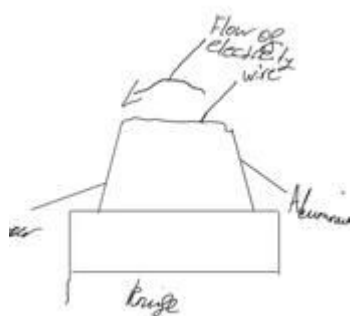


Exercise 3 Corrosion

1. Oxygen and water must both be present for iron to rust.
2. Paint can be used to protect metal from corrosion as it coats the metal and creates a protective barrier between the metal and the environment.
3.
 - a) The type of protection offered by magnesium is called Anode protection.
 - b) Another method of protecting steel from rusting could be to anodise the metal.
4. a) I predict that it would be a very bright glow.
b) This would speed up the reaction
c) Silicon

Exercise 4 Electrochemistry

1. a) Batteries are portable
b) Some batteries can leak which can be harmful to both us and the planet.
2. a) Zinc to Nickel
b) Decrease
c) The conductors used.



- 3.
4. a) 3.0v
b) 2.5v