

How does water get to be potable?

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Compare the use of plastic and paper bags in regards to the Life Cycle Assessment.

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State the advantages and disadvantages of recycling.

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In the space below describe the life cycle of a product

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Using Resources

Define the key words below.

| Keyword | Definition |
|-------------------------|------------|
| Natural Resources | |
| Renewable resources | |
| Finite resources | |
| Sustainable development | |
| High Grade Ore | |
| Low Grade Ore | |

In the space below describe with the use of diagrams how copper can be extracted through smelting, phytomining and bioleaching.

Smelting

Phytomining

Bioleaching

What is corrosion? Name the two substances needed for corrosion to occur

Give 3 ways corrosion can be prevented

Write the word and symbol equation for the Haber Process

Using Resources – Separates Content

State a use of the following alloys

| Alloy | Use |
|------------------|-----|
| Bronze | |
| Brass | |
| Gold jewellery | |
| Steel | |
| Aluminium alloys | |

State the conditions used for Haber Process. (Temperature, pressure and catalyst) Explain why this is called a compromise

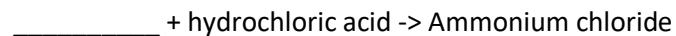
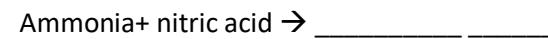
Complete the table to show the properties of the following polymers

| Polymer | Structure | Conditions needed | Properties |
|-----------------|-----------|-------------------|------------|
| LD polyethene | | | |
| HD polyethene | | | |
| Thermosetting | | | |
| Thermosoftening | | | |

What are composites?

Give 3 examples of composites and ceramics

Complete the equations to show how ammonium salts are created to use in fertilisers



Which three elements are present in NPK fertilisers?

What are these elements used for in plants?