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Separation Physical about Worksheet الملف

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PHYSICAL SEPARATION TECHNIQUES

1. Show the separation **TECHNIQUE** you would use to separate the following, as well as the **PROPERTY** of separation by dragging the answers below into the relevant positions:

Techniques:

decanting distillation filtration sifting hand sorting

chromatography evaporation magnetic separation

Properties:

density boiling point particle size phase (solid/liquid)

magnetism visual differences solute/solution solubility

| MIXTURE | SEPARATION TECHNIQUE | PROPERTY USED FOR SEPARATION |
|-------------------------------|----------------------|------------------------------|
| iron and sulphur | | |
| sugar dissolved in water | | |
| oil and paraffin | | |
| alcohol in water | | |
| mixture of dyes | | |
| solid impurities in water | | |
| pebbles in fine building sand | | |
| mixture of different buttons | | |

2. Fill in the separation technique that is used to separate the mixture in each of the pictures below.

Choose from the following words – make sure you type it EXACTLY as shown so that the worksheet marks your answer correctly:

magnetism

filtration

evaporation

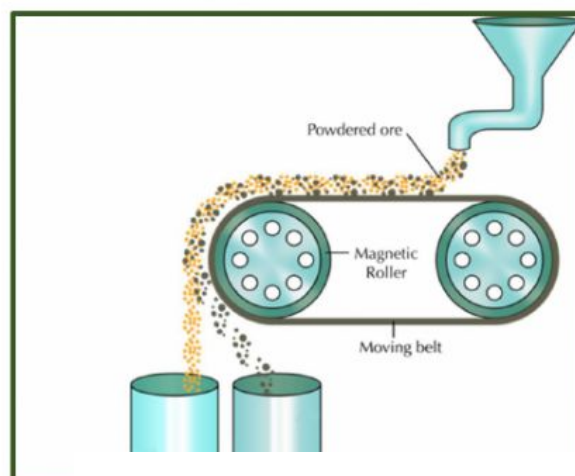
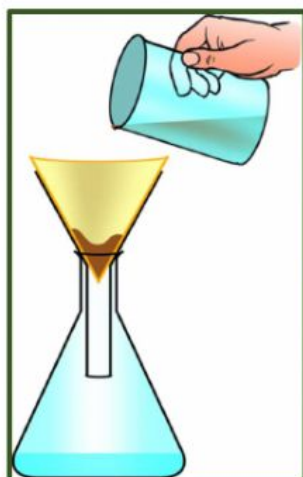
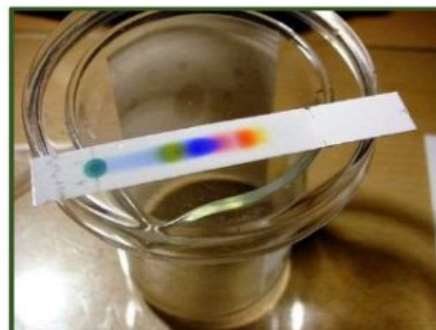
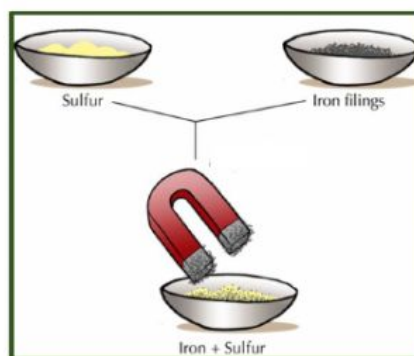
distillation

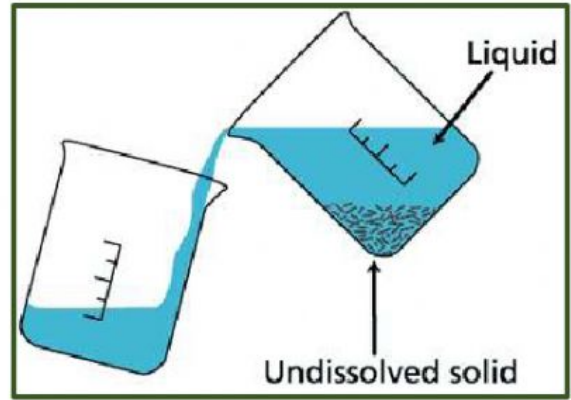
sifting

decantation

hand sorting

chromatography

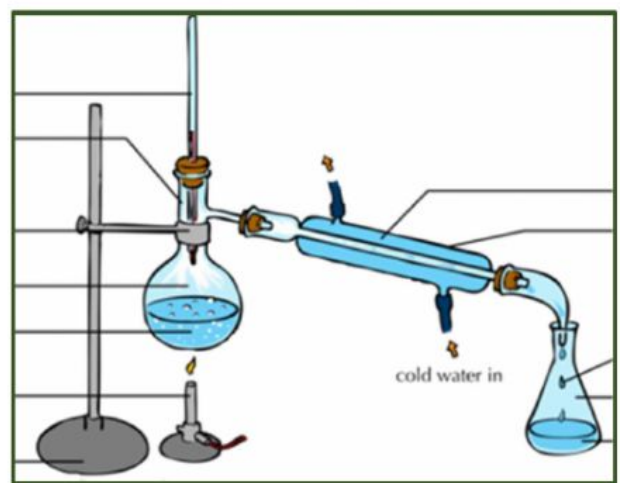
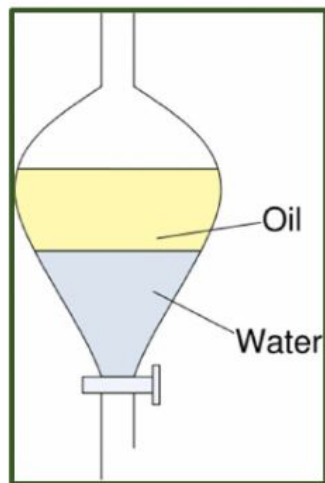
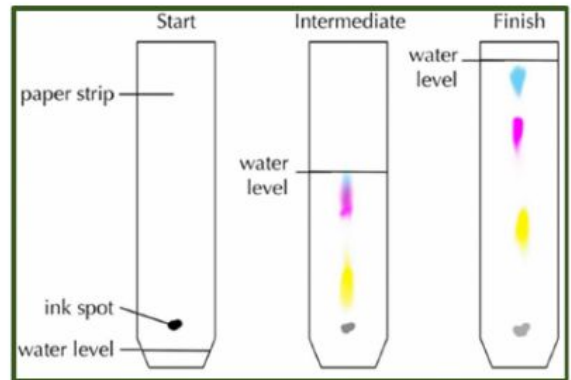




<https://qknowbooks.gitbooks.io/class-5-science-mixtures/>

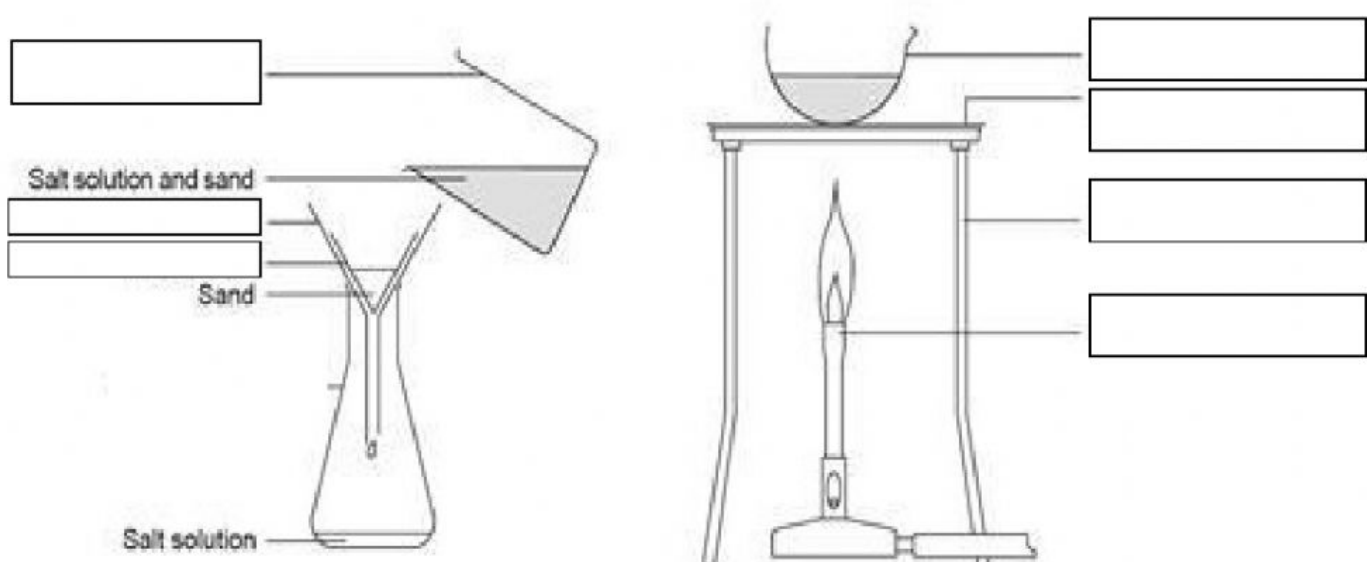
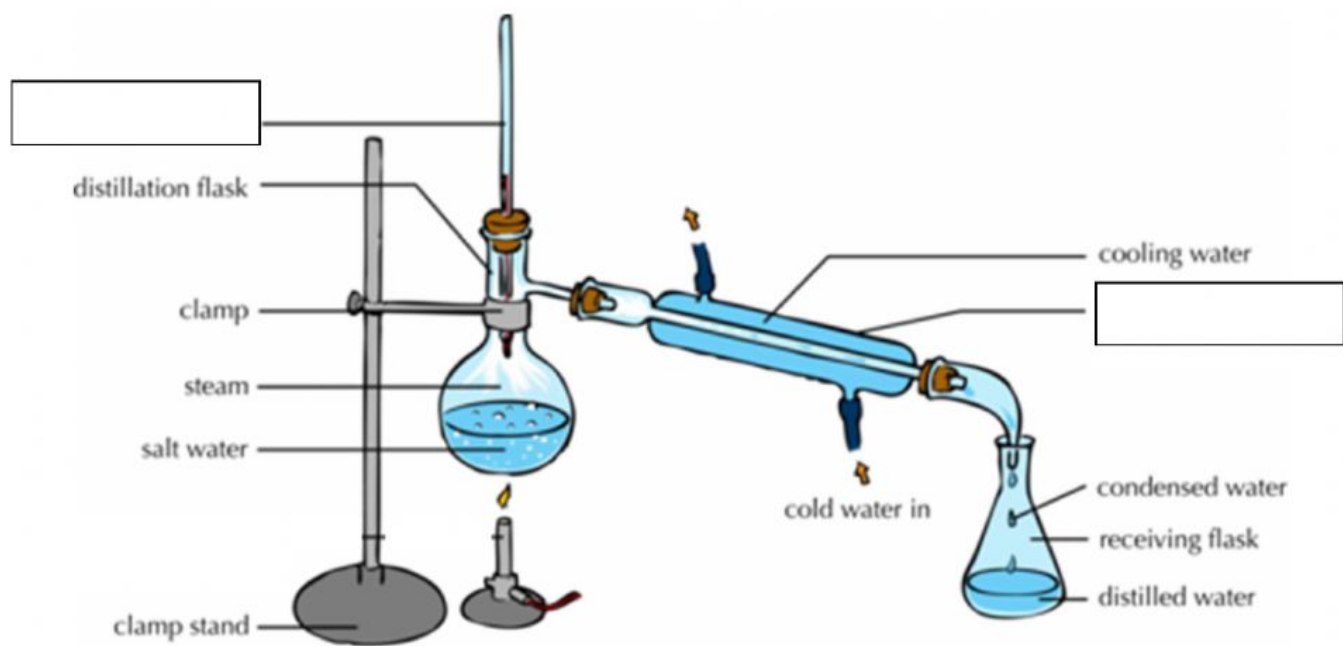


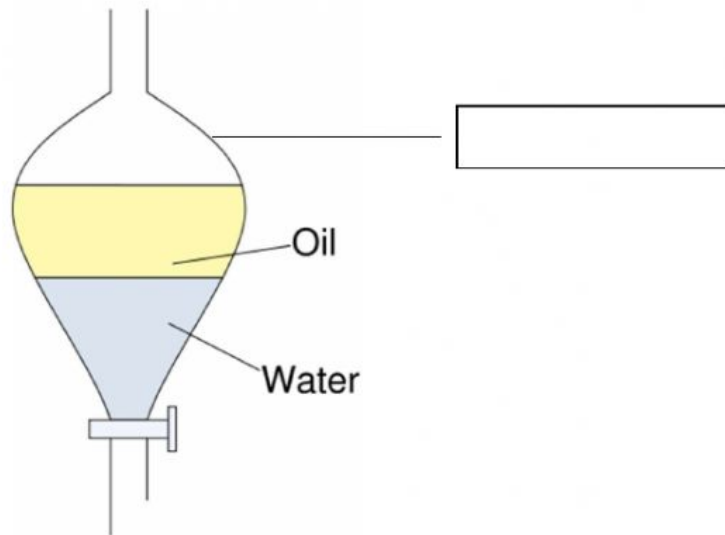
<https://edu.rsc.org/experiments/separatin>



3. Label the following diagrams by dragging the correct word into the correct position:

- | | | | |
|------------------------|---------------|-------------------|--------|
| beaker | thermometer | filter paper | tripod |
| evaporating dish/basin | bunsen burner | funnel | |
| condenser | wire gauze | separating funnel | |





Acknowledgements:

Unless otherwise specified, all pictures have been sourced from:

<https://intl.siyavula.com/read/science/grade-7/separating-mixtures/07-separating-mixtures?id=toc-id-4>