

Activity 5, pg. 71 (Day-by-Day)

Choose the best method of separating the following mixtures.

1. Salt and sand Add water and then filter	2. Sugar and tea leaves Add water and then filter
3. Peanuts and dried beans Hand sorting	4. 50c and 10c coins Hand sorting
5. Jelly Tots and Smarties Hand sorting	6. Sand and water Settling and decanting or filtering
7. Chalk and water Settling and decanting or filtering	8. Curry powder and water Filtering
9. Grated cheese and milk Filtering or sieving	10. Oil and Water Decanting

Revision: Mixtures, pg. 73 (Day-by-Day)

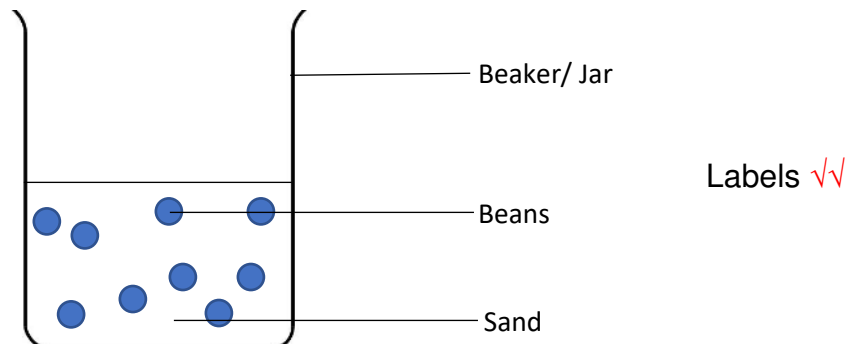
1. **Mixture** – two or more different substances that have been put together in any amount ✓✓

Prediction – a guess of what is to still or may still happen ✓✓

2.

a. **The beans and sand will form a mixture, we will still be able to see the different substances that make up the mixture** ✓✓

b. **Draw a diagram of beans and sand in a jar/beaker** ✓



Mixture of beans and sand ✓

c. **Hand sorting** ✓

3.

a. **Mixture** ✓

b. **Not a mixture** ✓

c. **Mixture** ✓

4.

a. **Oil and water – Decanting**

b. **Sand and salt – add water and filter**

5.

a. **B** ✓

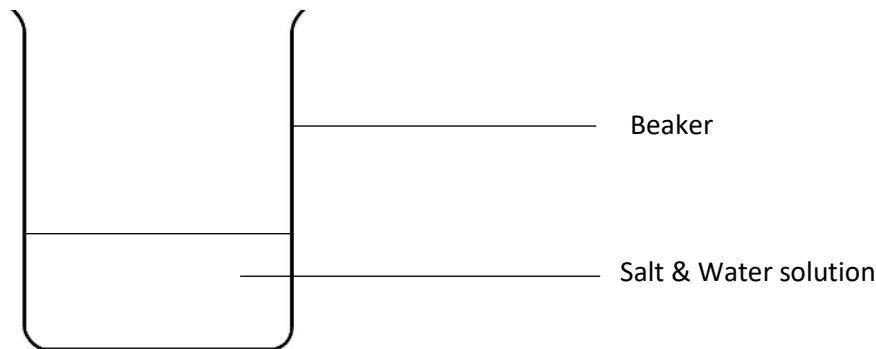
b. **There are two different substances mixed in the container** ✓

TOTAL: 20

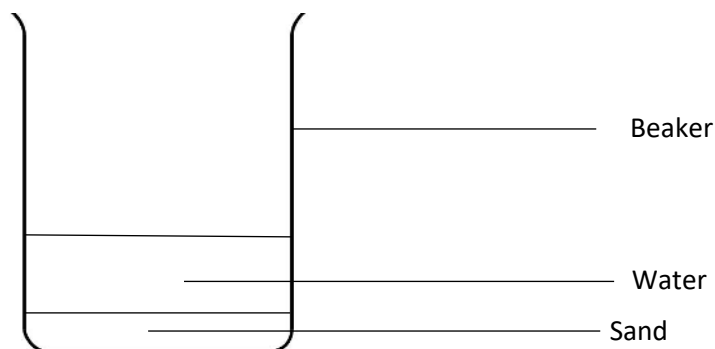
PRACTICAL Activity 1 (Solutions)

1. Make the following mixtures and stir:
 - a) Water and Salt (1 Teaspoon)
 - b) Water and Sand (1 Teaspoon)
2. Can you still see the different substances in the mixtures?
Water and Salt – No
Water and Sand - Yes
3. Suggest methods we can use to separate these **mixture A** and **mixture B**.
Mixture A – Any suggestion that does not include physical methods
Mixture B – Filtering / Settling / Decanting
4. Draw a picture to show each mixture (Remember to Label and the Heading).
Your drawings must be 3 lines and most not too big or too small

Mixture A – Water and Salt



Mixture B – Water and Sand



5. Which substance would you say is a solution and why?
Mixture A / Water and Salt because you cannot see the different substances in the mixture / the salt has dissolved in the water.
6. In **mixture A**, which substance would you say is the **solute** and **solvent**?
Solute – Salt
Solvent – Water