**Types of mixtures**

Aim: To create and identify different types of mixtures.

1. DIRTY WATER

**Materials**

Soil, water, beaker, spatula

**Method**

1. Put some soil and water in the beaker to create a watery mixture.
2. Stir the soil around.

**Discussion**

* 1. What happens to the soil particles?
  2. Does anything float on the water?
  3. How can you explain the behaviour of this mixture?
  4. What type of mixture is dirty water? Explain your choice

1. ADDING SUGAR TO WATER

**Materials**

Water, sugar, spatula, beaker

**Method**

1. Add a small amount of sugar to the water in the beaker and stir.

**Discussion**

* 1. Describe what has happened to the sugar.
  2. What type of mixture is the sugar and water? How do you know?

1. MIXING OLIVE OIL AND WATER

**Materials**

Olive oil, water, test tube, stopper, detergent

**Method**

1. 1/3 fill the test tube with equal parts water and oil. Observe what happens.
2. Put the stopper on the test tube and shake the mixture vigorously. Observe what happens immediately and over time.
3. Add a couple of drops of detergent to the mixture and shake the test tube again.

**Discussion**

* 1. Describe what happens to the mixture immediately after you shake it.
  2. Describe what happens to the mixture after a couple of minutes.
  3. How does the mixture change when you add the detergent?
  4. Explain what is happening.