**WORKSHEET B - MEMORANDUM**

Making mixtures: Solids and liquids

*Teachers, encourage your learners to answer the questions in full sentences, starting with a capital letter and ending with a full stop.*

Your teacher will provide you with materials to make different mixtures. Follow the instructions below and answer the questions that follow.

1. Mix the following ingredients together in the container provided –
   - 5 tablespoons of sand
   - half cup of water

1.1. Can you still see the individual sand grains?

   **No, I cannot see the individual grains of sand.**

1.2. Draw and label a picture of the mixture of sand and water in your exercise book.

Teacher to use own discretion when marking this picture.

Labels can include:
- Glass
- Sand
- Water
- teaspoon

1.3. Can you separate the mixture into a pile of sand grains and water? How do you think you could separate this mixture?

   **Yes, this mixture of sand and water can be separated.**

   I can use filter paper (paper towel) or a piece of cloth to separate the mixture. I cannot use a sieve because the sand grains are very fine and will flow (with the water) through the sieve.

   I can also separate the mixture by using settling, allowing the sand to sink to the bottom of the glass.

2. Mix the following ingredients together in the container provided –
   - 1 teaspoon of curry powder
   - half cup of water

2.1. Can you still see the individual grains of curry?
No, I cannot see the individual grains of curry. If the mixture stands for a while, I can see the curry grains at the bottom of the glass.

2.2. Draw and label a picture of the mixture of the curry powder and water in your exercise book.

Teacher to use own discretion when marking this picture.
Labels can include:
- Glass
- Curry powder
- Water
- teaspoon

2.3. Can you separate the mixture into a pile of curry powder and water? How do you think you could separate this mixture?

Yes, this mixture of curry powder and water can be separated with some effort.

I can use filter paper (paper towel) or a piece of cloth to separate the mixture. I cannot use a sieve because the grains of the curry powder are very fine and will flow (with the water) through the sieve. I will need to filter the water through the filter paper many times to properly separate the curry powder and the water.

I can also separate the mixture by using settling, allowing the curry powder to sink to the bottom of the glass.