Making mixtures: Solids

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 split peas or dried beans
   - 5 tablespoons of rice

1.1. Can you still see the individual peas or beans and rice?

   Yes, I can see the individual beans (or peas) and rice.

2. Separate the mixture into a pile of rice grains and a pile of beans or peas.

2.1. What did you do to separate this mixture?

   I sorted the rice and beans (or peas) into separate heaps.

2.2. Did the peas or beans and the rice change at all, or do they still look the same?

   The beans (or peas) and rice still look the same.

3. Mix the following ingredients together –
   - 5 tablespoons of rice
   - 5 tablespoons of sugar

3.1. Can you see the individual rice and sugar grains?

   Yes, I can see the individual rice and sugar grains.

4. Separate the mixture into a pile of rice and a pile of sugar.

4.1. How did you separate the ingredients?

   I used a sieve to separate the sugar from the rice (sifting).
4.2. Did the rice or the sugar change in any way, or do they look the same?

No, the sugar and the rice did not change. They still look the same.

5. Mix the following ingredients together –
   - 5 tablespoons of sand
   - 5 tablespoons of sugar

5.1. Can you see the individual sand and sugar grains?

Yes, I can see the individual sand and sugar grains.

5.2. Can you separate the ingredients in this mixture and how would you do this?

I used a sieve to separate the sugar from the sand (sifting).