

Activity 5C

Separating Soil from Water

Activity Book p.45



Skill:

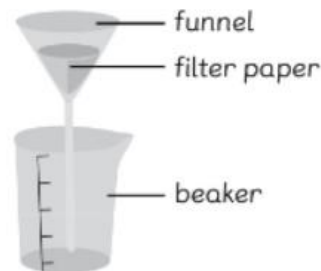
Create tables and diagrams to show observations

Materials:

Soil
Filter paper

Tub
Funnel

Water
Beaker



Method

- 1 Work as a group.
- 2 Add soil and water into the tub and mix them.
- 3 Fold the filter paper in half, then in quarters.
- 4 Place the folded filter paper in the funnel.



Filter paper folded in half



Filter paper folded in quarters



Filter paper ready for funnel



Filter paper in funnel

- 5 Place the funnel into the beaker.
- 6 Pour the mixture into the funnel with the filter paper.
- 7 Draw your observations in the table below.

What did you observe in the beaker?	What did you observe on the filter paper?
water passed through the filter paper	soil didn't pass through the tiny holes of the filter paper

Let's Review **Activity Book p.48**

1 Look at the picture.

Complete the sentences with the following words.

solid liquid gas



The air in the bubble is a gas.

The soap in the bottle is a liquid.

The bottle is a solid.

2 Class 3 had a quiz about materials and their properties.
Clue: Put me into different containers and my shape will change.
What am I?

a Circle the correct answer.



brick



juice

b Write two properties of a liquid.

Liquids take the shape of the container.

Liquids have a fixed volume.

Liquids flow easily.

- 3 Zaki investigates what happens to some solids when they are placed in a container of water. He makes observations and records them.

Here are his results.

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Book p.49

Solid	Observations
pebble	The shape and size remain the same.
sugar	The sugar cannot be seen after a while.
nail	The shape and size remain the same.

- a A pebble is insoluble when added to water.
Which other solid above is insoluble?

nail

- b Which solid above cannot be separated easily after it is mixed with water?

sugar

- 4 The table below shows a list of mixtures. Write the best method for separating each mixture. Use the following words.

by hand filtering sieving use a magnet

Mixture	Separation method
sugar and iron filings	use a magnet
soil and water	filtering
marbles and grapes	by hand
stone and sand	sieving