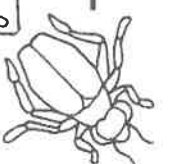




Bits and pieces

Understand that solids consisting of very small pieces may behave like liquids



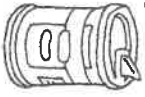
Some **solids** are made up of small pieces that you can see.

They behave like **liquids** in many ways.

What can you do with these solids and liquids? or



sand



salt



sugar



water



washing-up liquid

You need

- bowl
- sieve
- cloth
- sponge
- salt
- sugar
- sand
- water
- measuring jug
- paper bags
- washing-up liquid.

Material

Pour it into a bowl

Measure its volume in a jug

Pour it through a sieve

Hold it in your hand

Carry it in a paper bag

Mop it up with a cloth

Soak it up with a sponge



Now try this!

Write a definition of **liquid**.

Think about the differences between solids and liquids.



Teachers' note The children should first have completed pages 40 and 41. Provide opportunities for them to explore the behaviour of solids consisting of small pieces: sand, dried peas, rice. Ask them in what ways they behave like water and in what ways they are different. Establish that the smaller the pieces the more the solid appears to behave like a liquid. Ask the children if a collection of big pieces of rock can be poured like sand. Ensure that they realise that the difference is only one of scale.