



## Solid stuff

### Background knowledge

Materials exist naturally on our planet as a solid, liquid, or gas. Solids have certain properties. They tend to keep their shape. Solids do not change shape by themselves. Some solids can change their shape if a force is applied to them, such as clay. Solids cannot be poured. They do not spread out or fill a bottle.

### Science activity

Look at the materials below. Put a check mark (✓) by each material you think is a solid. *Hint:* For materials such as sand and salt, think about the individual grains.

Modeling clay

Aluminum  
kitchen foil

Wood

Sand

Salt

Marbles

#### Science investigation

1 Take extra care - ask an adult to supervise you. Collect some solid materials from your home. Look over your materials and decide how they are alike and how they differ. Organize your observations into a chart. Are there any samples difficult to classify as a solid? Explain. What do you conclude about solid materials?