

Name: \_\_\_\_\_



## Properties of solids, liquids and gases

---

### Task A: Solids, liquids and gases

You have three balloons: one contains solid water (ice), one contains liquid water and one contains gas (air).

Use the balloons and these questions to help you describe the properties of solids, liquids and gases.

1. Which balloons can you change the shape of?
2. Use scissors to cut the knot off each balloon then try to empty the contents of each one into a bowl. What happens?

On a whiteboard, note what you think the properties of solids, liquids and gases are.



balloon

## Task B: The properties of solids, liquids and gases

Look at the statements below and decide whether they apply to materials in the solid, liquid or gas state. Some might apply to more than one state.

- no fixed shape or volume
- cannot be poured
- can be poured easily
- takes the shape of the bottom of their container
- fills any sealed container that they are in
- keeps their shape unless a force changes it
- fixed volume
- fills the container they are in

Write solid, liquid or gas after each statement.