

Investigating changes of state with **dough balls!**



Fight food waste by making an accompaniment to your harvest pizza!

Roll any leftover pizza base dough in small balls and bake them in a preheated oven for 20 minutes at 180°C. Crush 1 clove of garlic and stir it into 100 grams of melted butter. When your dough balls are ready to come out of the oven, brush them with your garlic butter and enjoy!

States of Matter

All materials are solids, liquids or gases.

Can you think of any examples of any solids, liquids or gases?

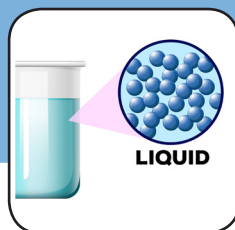
Solids:

- Solids can be held and do not change shape or flow like liquids.
- They always take up the same amount of space and do not spread out like gases.
- They can be cut.



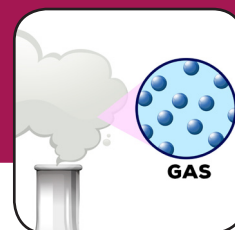
Liquids:

- Liquids cannot be held easily.
- They can flow and change their shape depending on the container that they are in.
- They always take up the same amount of space.



Gases:

- Gases do not have a fixed shape and can spread out to fill up whatever container they are in.
- They are often invisible.



Sometimes materials change state

A reversible change is a change that can be undone or reversed so that you can get back the substances you started with.

Can you think of an example of a reversible change?

An irreversible change is a change that cannot be undone and always creates a new material.

Can you think of an example of an irreversible change?

What do you think?

Is cooking dough balls a reversible or irreversible change?

Is melting butter a reversible or irreversible change?