


Science - Home Learning - States of matter.

L.O: I know an object can have reversible and irreversible changes.

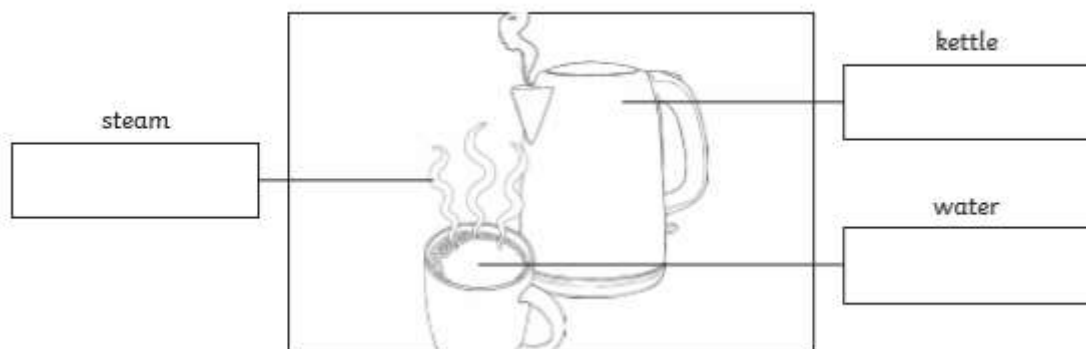
Can you determine whether the items below are a solid, liquid or gas?

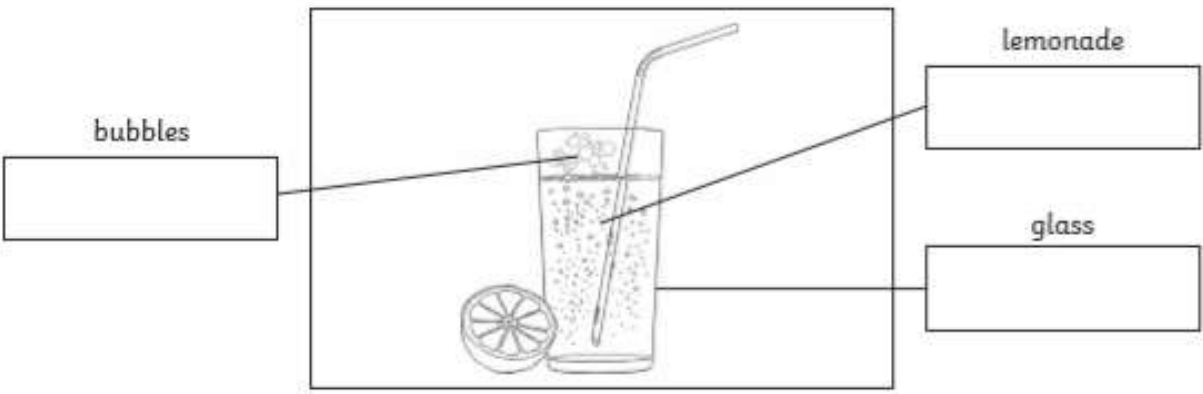
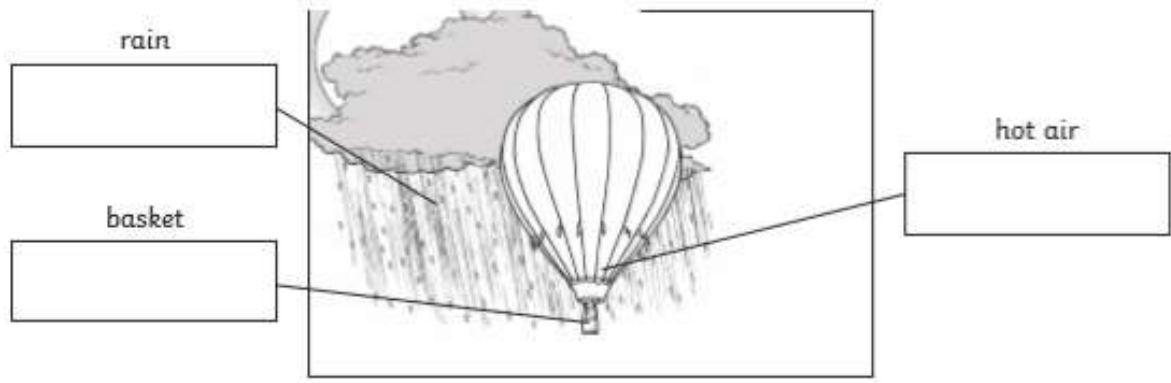
Make a colour code to show your answers.

milk	crisps	air	water	book
oxygen	apples	ice	cup	carbon dioxide
helium	biscuit	lemonade	fruit juice	

Now think about how an object can be made up from more than one state of matter

Can you label the pictures by writing what the object is, that is a solid, liquid or gas?





Sometimes, objects can have a changing state.
 This means they don't always stay as a solid, or a liquid, or a gas.

Think about an ice cream. It's a solid while its in the freezer, but if you put it outside in the sun, it melts and turns into a liquid. This means it has changed state.

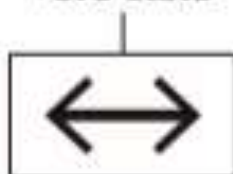
Can you think of any examples of an object that can change state? List them below

Some changes of state can be reversed, if put the melted ice cream back in the freezer, it would turn back into a solid again, it is a reversible change.

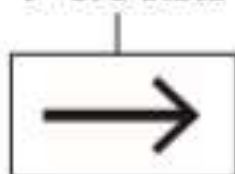
What about if you burned a candle? Is that a reversible change?

Reversible and Irreversible Changes

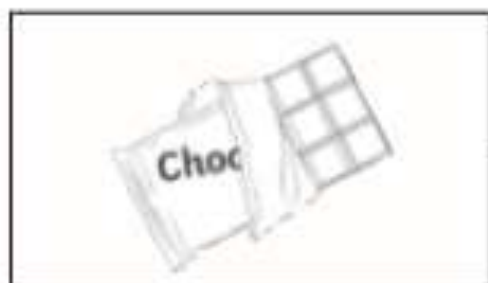
reversible



irreversible



Using the key above draw the correct arrow between the pictures. Write whether each transformation is a reversible or an irreversible change.



Melting chocolate is _____ change.



Freezing water is _____ change.



Toasting bread is _____ change.