

Solids, liquids and gases

Watch the following short video on BBC Bitesize:
<https://www.bbc.co.uk/bitesize/topics/zkkg87h/articles/zsgwwxs>

Group the items below into the table.

| | | | |
|-----------|-----------------|--------------|----------|
| 1. Butter | 2. Orange Juice | 3. Chocolate | 4. Milk |
| 5. Tea | 6. Smoke | 7. Helium | 8. Bread |
| 9. Toffee | 10. An egg | | |

| <u>Solid</u> | <u>Liquid</u> | <u>Gas</u> |
|--|--|--|
| Ice  | Water  | Steam  |

Can you think of any other items that are solids, liquids and gases? If so add them to your table.



Boiling and freezing

Watch the following short video on BBC Bitesize:

<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/z9ck9qt>

A. Carry out the following experiment with an adult and answer the following questions in your green jotter.

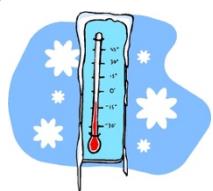
1. Boil/Melt some chocolate. What happens?
2. Freeze the chocolate. What happens?
3. Can the chocolate turn back into its original state?



Repeat this experiment for **butter** and an **egg**.

B. Carry out the following experiment with an adult and answer the following questions in your green jotter.

1. Put a small ice tray of milk in the freezer. What happens?
2. Heat the frozen milk. What happens?
3. Can the milk turn back into its original state?



Repeat this experiment with **orange juice** and **tea**.