

## RED

The melting point is the temperature at which a solid becomes a liquid.

The freezing point is the temperature at which a liquid becomes a solid.

Chocolate melts at 35C

## YELLOW

When a solid is heated, it changes state from a solid to a liquid. When a liquid is cooled to its freezing point, the liquid becomes a solid.

Explain how the following appear different as they change state.

- a) Water. When water is a liquid it will take the shape of its container. When it freezes it turns to ice and is hard. It then forms a solid shape.
- b) Chocolate. When chocolate is a liquid it is a thick smooth substance. When it freezes it becomes harder.

## GREEN

Make a mind map of what you have learnt in this lesson.

Research different substance's melting and freezing points and add them to your map.

Examples of melting points:

Gold = 2865C

Cheese = 60C

Aluminium = 660.37C

Examples of freezing points:

Cheese = -4C

Milk = -0.5C

Oil = -30C