

Today you are going to conduct four experiments using water. Once this is complete, you should be able to:

Identify the different states water.

Identify the temperatures at which water changes state.

Identify and observe the processes that cause water to change state.

### **Ice Cube Investigation**

Draw a picture of the experiment that you carried out. There is an example on the power point to help you. Add labels to explain how the water is changing state and to identify the processes that are occurring. Use blue pencil for processes caused by cooling and a red pencil for ones caused by heating.

### **Reversing Changes**

Draw a picture of the experiment you carried out. Add labels to explain how the water changed state and to identify the processes that occurred. Use blue pencil for processes caused by cooling and a red pencil for ones caused by heating.

## Salt and Ice

Draw a picture of the investigation you carried out. Add labels to explain how the water changed state and to identify the processes that occurred. Use blue pencil for processes caused by cooling and red pencil for ones caused by heating.

## Changing State Diagram

Add labels to this diagram to show the processes. Colour the box blue if cooling causes the process to occur, or red if heating causes the process to occur.

