



Viscosity: Sinking Marble Method

Planning Board Notes

The presentation shows a planning board for the investigation into how to measure the viscosity of a liquid by measuring the time it takes for a marble to sink through the liquid. This can link in with the timer activity on the web site.

Clicking through to the second slide shows the drag and drop planning board. You may need to press the Play button to reveal the options if they are not immediately visible.

The yellow boxes on the bottom of the screen show the various factors that could be involved in the investigation.

Click and hold the mouse button down onto one of the yellow boxes and then drag it into the required white box. Release the mouse button to drop it into place. On an interactive whiteboard this is achieved by selecting the yellow box with the pointer. Maintain the contact and drag into the white box.

Discuss the different factors and whether they should be kept the same or changed and also what will be measured. These are revealed by clicking onto the Check button on the bottom right.

Keep the same:

- height of liquid
- marble
- volume of liquid
- dropping height

Change:

- type of liquid

Measure:

- time for marble to sink