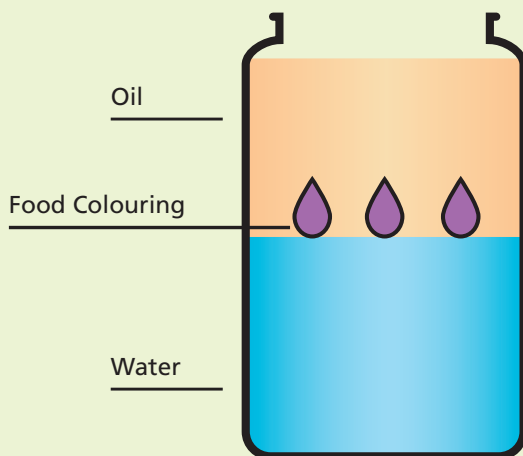




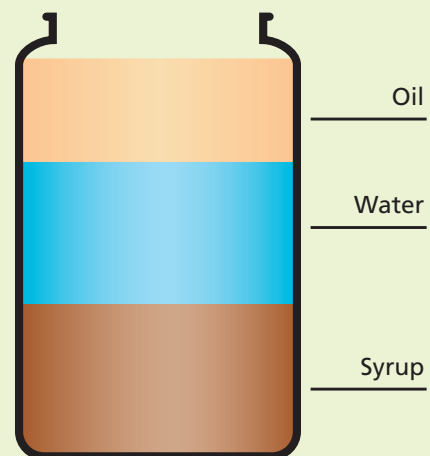
# Diving Drops and Sinking Feelings



<b>EQUIPMENT</b>	Jam jar with lid, Cooking oil, Food colouring, Eye dropper, Syrup
<b>PREPARATION</b>	Collecting materials.
<b>BACKGROUND INFORMATION</b>	Oil is lighter than water and so will sit on top of it. Syrup is heavier than water and so will sink to the bottom.
<b>SKILLS</b>	Observing Experimenting
<b>ACTIVITY</b>	<p><b>Diving Drops:</b> Half fill the jar with water. Carefully, by tilting the jar, fill the remaining space in the jar with cooking oil. What happens? (<i>The oil stays on top because it is lighter than water</i>). Now, using the eye dropper put one or two drops of food colouring into the jar. What happens? (<i>The drops sit on top of the water layer</i>). Wait a few seconds and watch the jar closely. Put the lid on the jar and rock it gently back and forth – you’ve invented a wave machine! (<i>the colouring will eventually burst through the surface of the water and stream into the water</i>).</p> <p><b>Sinking Feelings (demonstration):</b> Pour syrup into the jar until about a quarter full. Add about the same amount of water with food colouring added. Pour some cooking oil on top. (<i>Three levels of liquid should be clearly visible</i>).</p>
<b>SAFETY</b>	<b>Care with liquids.</b>
<b>FOLLOW-UP ACTIVITIES</b>	Children can experiment with other transparent everyday liquids. They could try floating different objects in the liquids.



Diving Drops



Sinking Feelings