

Reading Guide

Forces in Liquids

This worksheet refers to the 'Qld Junior Science' website. Read the notes entitled ' Forces in Liquids' before answering these questions.

1. Read the notes about 'Forces in Liquids'. All these forces are attractive forces. This means they hold either the same or different substances together. Pick from the words 'cohesion' and 'adhesion'- which force holds the same things together and which force holds different things together?
2. The prefix 'co-' means together. Think of an ordinary word that starts with 'co' that means 'working together'.
3. Glue is an adhesive. What are two things that can be adhered together?
4. Read 'Example os Cohesion and Surface Tension'. When Olympic divers dive from the high diving boards, they can be knocked unconscious when they hit the water because of the surface tension (the force at the surface). What is done so they don't hurt themselves?
5. Get a clear glass of water. Look at the top of the water. Draw the curved shape (the meniscus) you see.
6. Water travels up the veins in a tree from the roots to the leaves by capillary action? What is the water attracted to in order for this to happen?