

Thursday, 25th March 2021

L.O: To investigate water resistance

Starter

Insert the missing words.

effect surface area drag streamlined parachutes

Air resistance is a force sometimes called _____. Like gravity, we can't see air resistance, but we can see the _____ it has on objects. Air resistance is often demonstrated using _____. The larger the _____ of the parachute the more drag, or air resistance is felt. Objects, like cars, are specially designed to minimise the effect of air resistance, we call this _____.

Read the text, 'Water Resistance' in pairs

As you read, answer these questions in your books.

- What is another name for 'Water Resistance'?
- What type of shapes move easily through water?
- Other than the shape, which other factors affect Water Resistance?
- How is Air resistance different to Water Resistance?
- What do swimmers have to do to swim faster?

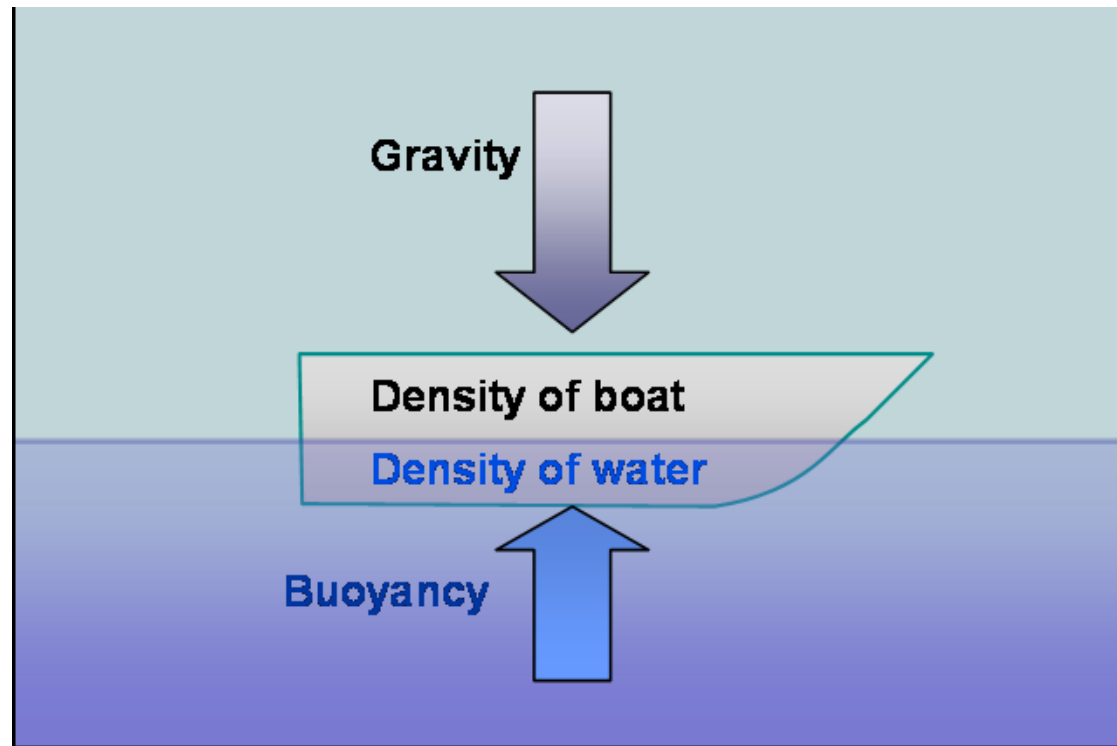
What is Water Resistance

Water resistance is a type of force that uses friction to slow things down that are moving through water. Water resistance doesn't have to be just water, it can happen to objects moving through any type of fluid.



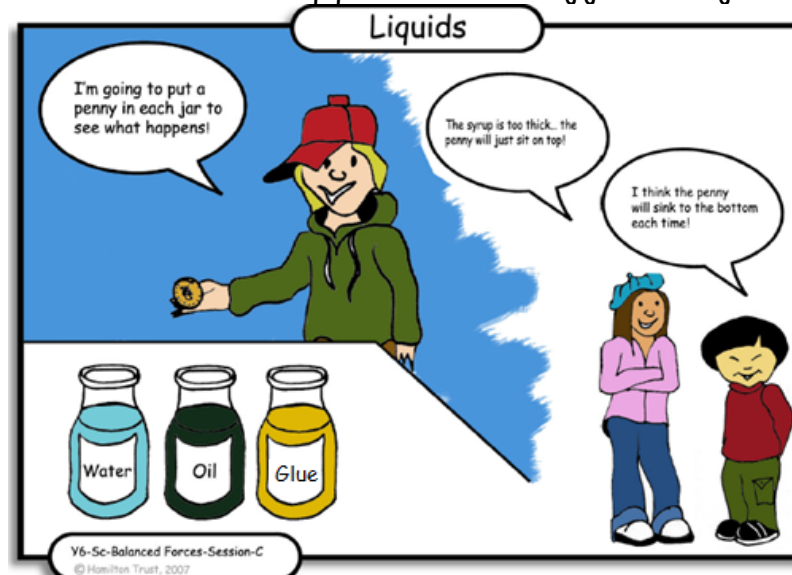
What is Buoyancy

Buoyancy is the ability or tendency of something to float in water or other fluid



Investigate and Report

We will be investigating affect of 'Water Resistance' on a 'penny coin' when dropped into different fluids.
variable.



In your books write:

- Today we will be testing the affect 'Water Resistance' on a 'penny coin' when we drop it into different liquids.
- I predict that it will sink fastest in _____ because _____ and the slowest in _____ because _____

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Draw this table in your books

Name of Liquid	Time taken to sink (sec)
Water	
Oil	
Glue	

Complete the table using the findings from the experiment and explain your finding in your own words. Was your prediction correct? Why did the penny sank differently in different liquids?

