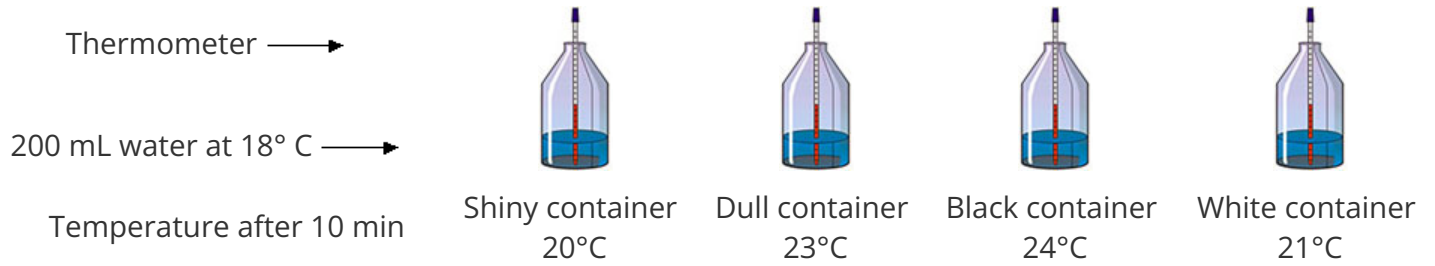


Keeping cool

This task is about properties that keep things hot or cold.

200 mL of water at 18°C was put into each of four containers. The containers were placed side by side in the sunlight for 10 minutes. The temperature of the water in each container was then recorded.



Use the information from the experiment above to answer the questions.

a) Whare is going camping. He wants to paint his water container so that the water inside will stay as cool as possible.

- i) Should he use black or white paint? *black/ white*
- ii) Should he use a gloss (shiny) or a matt (dull) paint? *gloss/shiny/ matt/dull*

b) The tank holding the petrol is made out of shiny unpainted metal.



Explain why this helps prevent heat absorption.

c) In hotter climates people tend to wear light coloured clothing.

What is the reason for this?

