

Exhaled Air



Experiment Let's find out if exhaled air contains carbon dioxide.

Limewater can be used to test for the presence of carbon dioxide.

Take a glass and fill it up with some limewater. Place a straw inside it. Then take a deep breath and blow gently into the straw. The limewater turns milky. This goes to show that the carbon dioxide present in the exhaled air turns the limewater chalky.



Experiment to show that exhaled air contains carbon dioxide



Experiment Let's find out if exhaled air contains water vapour.

When you place a mirror in front of your mouth and exhale into it, you will notice that water droplets can be seen on the mirror surface. This is because water vapour is given out during exhalation (breathing out). Upon coming into contact with the cool surface of the mirror, the water vapour condenses into tiny water droplets.



Adapted:

PSLE Science Partner A Complete Guide to L&U Block

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