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Fix a candle in a middle of a shallow container. Fill the container with some water cover the candle with an empty jar and mark the level of water inside the jar. Now lift the jar and light the candle and cover it with it with a glass, observe carefully. Does the level of water inside the jar remains same? Does the ~~level~~ candle continue to burn or goes off?

you will notice that the candle continues to burn for sometime and then gets extinguished; Water level rises slightly upto 1/5th part of the jar containing air. The part is active air oxygen which helps the candle to burn. when it is used up, candle stops burning. The 4/5 the part of the air still present in the jar is inactive air that does not support burning and it is nitrogen.

classmate

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Activity = 6

Take a test ~~tube~~ tube fitted with a two-bore rubber cork. Fit a long bent tube through one hole and fit a short bent tube through the other hole. Take out the cork and pour some freshly prepared lime water into the test tube is immersed in lime water while the short one remains suspended in air. Blow air by an pump through the long tube you will observe that the air blow through lime water turns milk. Carbon dioxide that is present in the air reacts with lime water and turn it milky.

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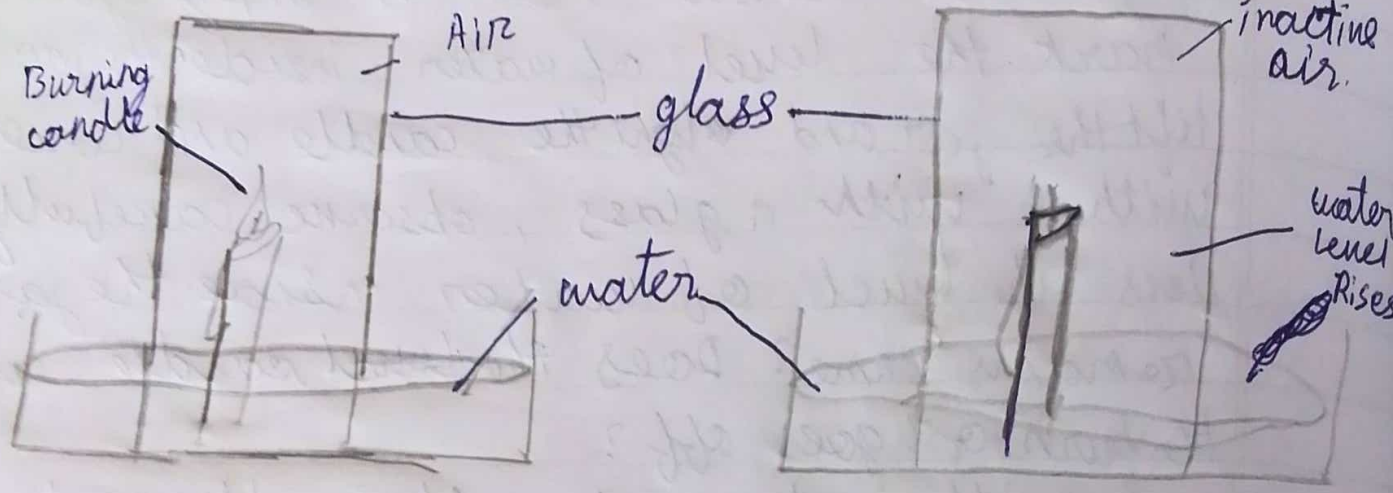

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