

Hw
29.11.21

Activity 5

classmate
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Fix a candle in the 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 again. Observe carefully. Does the candle continue to burn or goes off? Does the level of water inside the jar remains same?

You will notice that the candle continues to burn for some time and then water level rises slightly, i.e. upto $1/5^{\text{th}}$ part of the air containing air. This part is active air i.e. oxygen which helps the candle to burn. When it is used up, candle stops burning.

The $4/5^{\text{th}}$ part of air still present in the jar is inactive air that doesn't support burning is nitrogen.

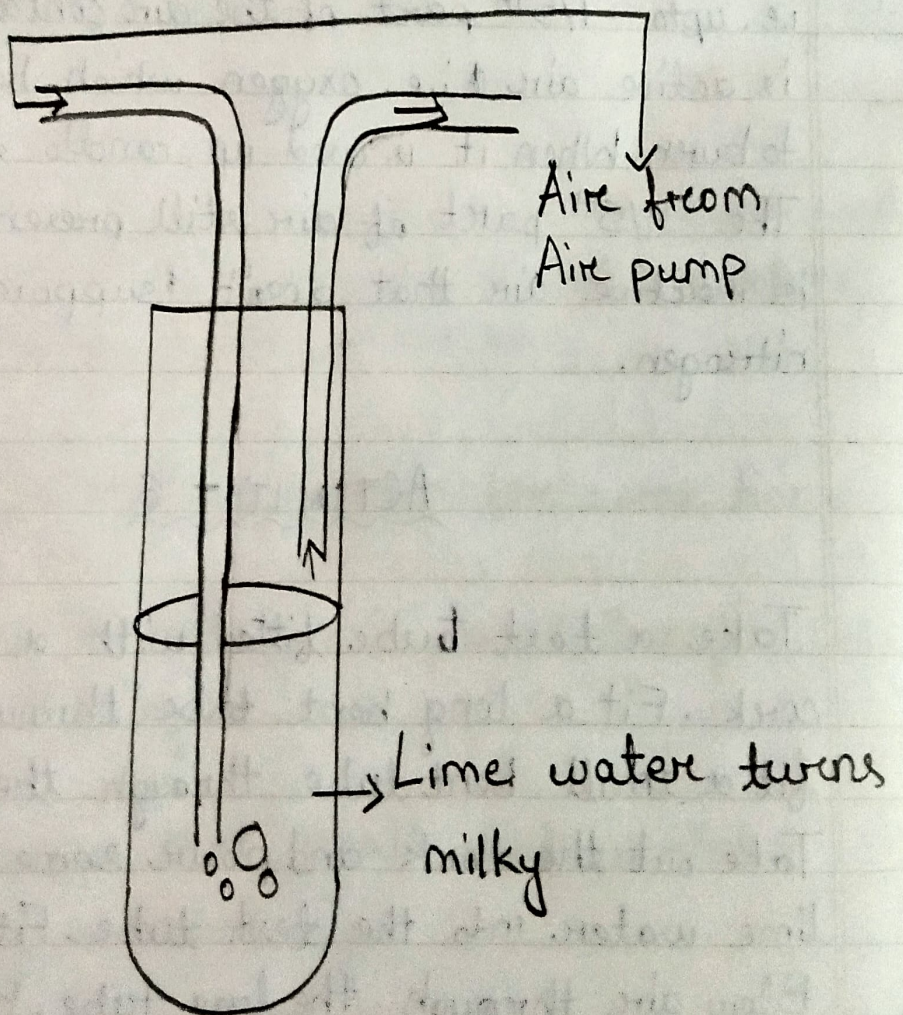
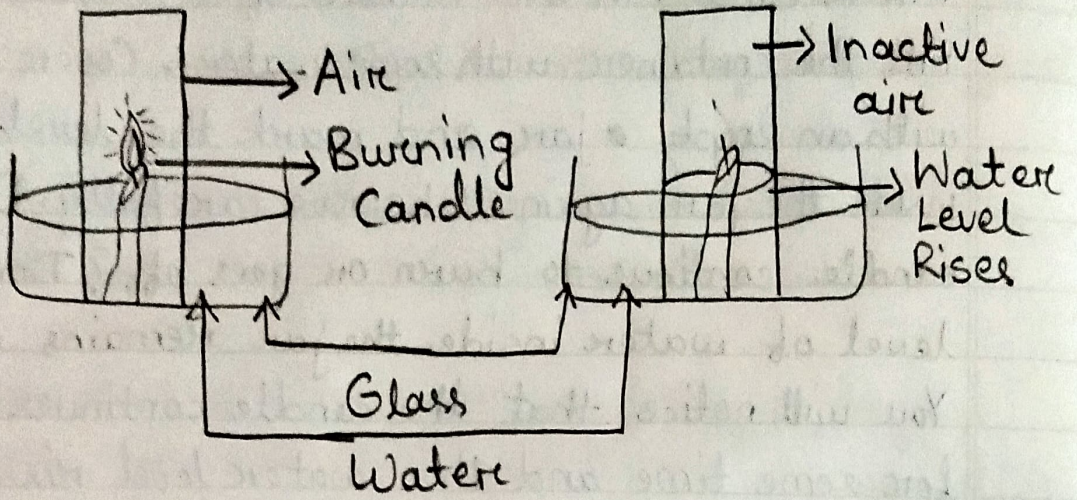
ACTIVITY-6

Take a test tube fitted with a 2 bore rubber cork. Fit a long bent tube through 1 hole and fit a small bent tube through the other hole.

Take out the cork and pour some freshly prepared lime water into the test tube. Fit the cork again.

Blow air through the long tube. Why does lime turn milky? CO_2 present in air reacts with lime water and turns it milky.

ACTIVITY-5



ACTIVITY - 6