

Experience. Burning air

Fix a candle on the bottom of the plate by means of plasticine, put some water into a plate and color water, so that it was seen better.

Put out a candle, and cover it with a jar.

Now we watch. What do we see? Some time later the flame of the candle goes out, and water gets into the jar from the plate.

You will ask, why. And I will answer that while burning, candle consumed the whole oxygen. Under the pressure water got into the jar and filled the place of the burnt out oxygen.

But water can not fill the whole jar, because the remaining part of air, consisting basically of nitrogen, still remains in jar.

Thus, making the experiment, we made sure that air consists of oxygen, nitrogen, steam, carbonic acid and other gases.