Start:

A teacher speaking:

Students your favorite teacher Forhad Sir presented the “baeyers test” of unsaturation compound. Now we can confirm the unsaturation test with bromine test.

Let’s go…

We know, Bromine solution is brown. In this test when bromine solution is added to the unsaturated hydrocarbon the brown color will disappear. Bromine forms an addition product with the unsaturated hydrocarbon.

For example, we can take ethene (image showing) in a test tube as an unsaturated compound and bromine solution (image showing) in a dropper.

Now if we add this bromine solution with the ethane, we can see a colorless solution. The brown color disappears because Bromine forms an addition product with the unsaturated hydrocarbon and produce di-bromo-ethane.

H_2-C=C-H_2 + Br_2 (brown) → H_2-C (Br)-C (Br)-H_2 (colorless)

So, students hope you all can understand and enjoy the unsaturation test of hydrocarbon. See you in the next lab experiment.