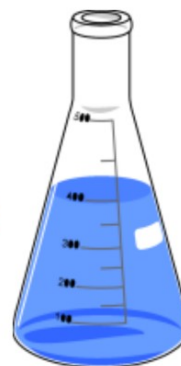


Sept. 15

Mixtures

Whenever you see materials that has more than one set of properties, you know that it is a mixture.



Mixture: a material made up of several different types of materials (2 or more). In a mixture each material retains it's own properties.



Mixtures can be of the following type:

1) Heterogeneous: made up of parts or mixed that can be seen.



<https://www.youtube.com/watch?v=bKcGHO6b1So>

2) Homogenous: every part of the material is the same.

https://www.youtube.com/watch?v=-r_9QZXwT2c

<https://www.youtube.com/watch?v=veXy9PNwSSI>



Smog is a heterogeneous mixture of various particles suspended in the air. The dirty particles that make up the **smog** can be removed from the air and breathed into the lungs, making **smog** quite a problematic heterogeneous mixture.

[What Causes Smog? - YouTube](#)

[The science of smog - Kim Preshoff - YouTube](#)



Any gas mixture is a solution, that is, a **HOMOGENEOUS mixture**. Of course, in practice air contain very small solid particles in suspension (dust, pollen) and thus it becomes heterogeneous. Since we can see the dust particles in the air so it is cleared that they are not dissolved in the air.