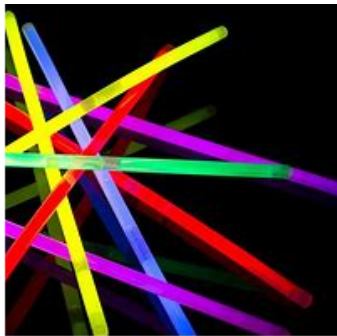


How does glow sticks work?

- 🌐 -Chemical reactions of 2 liquids

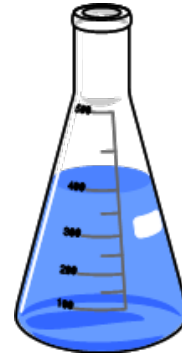


How it works

A plasma ball is a sealed glass containing low-pressure [noble gases](#). A high voltage [electrode](#) sits in the center of the ball, connected to the power source. When the ball is turned on, electrical current ionizes the gas in the ball, creating plasma. When you touch the surface of the plasma ball, you can see the path of the plasma filaments running between the electrode and the insulating glass shell. Although you cannot see it, the high-frequency current extends beyond the surface of the ball. When you bring a fluorescent tube near the ball, the same energy excites the mercury atoms in the fluorescent bulb. The excited atoms emit [ultraviolet light](#) that is absorbed into the phosphor coating inside the fluorescent light, converting the ultraviolet light into visible light.

Mixtures

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



Sept. 13

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>



Homogenous: every part of the material is the same.

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



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

