



### **What is a soft drink a pure substance or mixture?**

A soft drink is a mixture. A mixture is a combination of two or more substances in which each substance retains its own chemical properties. Mixtures can be homogeneous, meaning that the substances are evenly distributed throughout the mixture, or heterogeneous, meaning that the substances are not evenly distributed.

A soft drink is a mixture of various ingredients, including water, sweeteners, flavorings, and carbon dioxide. The ingredients in a soft drink are combined in various proportions to create the desired taste and texture. Soft drinks can be classified as either natural or artificial, depending on the source of the ingredients. Natural soft drinks are made from natural ingredients, such as fruit juices, while artificial soft drinks are made from artificial ingredients, such as synthetic flavorings and sweeteners.

Overall, a soft drink is a mixture because it is composed of multiple substances that are combined together, but that can be separated by physical means (such as filtration or distillation).