**Venn diagram**

A Venn diagram uses circles that overlap or don't overlap to show the commonalities and differences among things or groups of things.

Things that have commonalities are shown as overlapping circles while things that are distinct stand alone.

**Venn Diagram Importance**

Venn diagrams are useful for illustrating how different concepts or factors intersect with one another. They can show, at a glance, how things are similar or different and where and how they overlap. Often**, the center of a Venn diagram (the intersection of two or more circles)** represents some nexus or main idea that can be decomposed into the various other circles, with labels on the outer portions more general and distinct ideas than those toward the center.

**Venn Diagram Components**

While there are many ways to organize a Venn diagram, they most often consist of overlapping circles. Each circle by itself represents a ***set,* which may include ideas, concepts, numbers, or objects.**

When circles overlap or intersect, those sub-sets that are shared are known as a **union or intersection**. Areas that don't overlap show differences between sets, and a complement set refers to everything not shared by a particular set or sub-set.