

## BLACK HISTORY MONTH EXPLORING AFRICAN AMERICAN HISTORY #BlackHistoryMonth2022



Once we find out what are the blood's components made of, we will find out what is the correct ratio of each component found in the blood. For example, red blood cells are more than white blood cells and platelets.

- Fill your bottle or jar with corn syrup. This will be the blood plasma in which all the necessary components are exist.
- Put now the red blood cells. In other words, our red candies. Our blood is about 40% of red blood cells, so we will fill the ½ of our container with the candies. Mix them well with your spoon until they are well distributed.
- White blood cells are our little white beans. There is one white blood cell for every 600 red blood cells. How many white beans should we put in?
- Platelets, which are much smaller in size, are the rice grains. There are 40 platelets for every 600 red blood cells. Will the platelets be more or less than the white blood cells?
- Once we put the rest of the blood components in our bottle or jar, we mix them well. Our model is now ready!
- Now just observe the blood in your container. What do you notice? How do the ingredients move? Have a good exploration!