First we need to know what Population growth is. Population growth is the growing number of individuals in the population. The rate that effect population change are birth, death, immigration and emigration. Population growth has two types, Exponential growth model and Logistic growth model. Exponential growth model is the growth that becomes faster in proportion to the growing total of the number or grow very rapidly, the shape of this model look like J shape curve. Logistic growth model is the growth that happens when the growth rate reduce as the population reach carrying capacity. The shape of this model look like S shape.

This experiment focus on how infectious disease will spread from one infected person to other people. In this experiment we separate in groups and each person gets a cup containing some liquid. Some of the cup contains disease within the liquid. Then we interact with another people. Teacher come and put an infection indicator in everybody cup. If the liquid turns pink, it will show that you have disease. The result in this experiment will be double when one student that has the disease interacts with another student, the second student will be infected. The rate of infected student will double as more and more students interact. This experiment shows that disease can spread in a very fast rate.

The purpose of this experiment is to know how fast disease can spread themselves and to know how population can be infected.