**Infectious Disease Lab**

**Situation:** You are watching the news and see a story about a disease that is spreading throughout the local community. The disease spreads through the exchange of body fluids. You become increasingly concerned about your risk of infection and have decided to go to the doctor’s office in order to get tested for the virus.  
  
**Procedure:** You will have a test tube that represents your body fluids. One person has already been infected with the disease. Using a pipette, you will exchange body fluids with 3 other people. Once you have exchanged body fluids with 3 other people, you will make a visit to the doctor to get tested for the disease!  
  
**Hypothesis:** How many people do you think will become infected by the end of the lab?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Data:** Record the names of the people you exchange body fluids with in the table below.

|  |  |
| --- | --- |
| **Trial #** | **Name of Partner** |
| **1** |  |
| **2** |  |
| **3** |  |

**Analysis:**

1. Looking at the class data, how many people were infected at the end of the lab? \_\_\_\_\_
2. What percentage of the population would this represent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Why would it be important to find out who/where the disease came from?
4. What preventative measures could have been taken to avoid exposure to the disease?
5. Who was originally infected with the disease? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_