

Name \_\_\_\_\_  
Canister # \_\_\_\_\_

### A VIRUS IN THE ROOM

Today in our classroom, at least one person has caught an infectious virus, but no one really knows who. Let's see how the virus can spread.

**Rules:**

1. Everyone will pick two people in the room to share with.
2. When approached to share, you must share. ( Remember, just because someone is not on your list, does not mean you are not on the list.)
3. In the second list, write down the order of people you share with.
4. Always share at designated sharing locations. Be careful not to spill.
5. Do not keep sharing after 2 people unless someone asks you because you are on their list.

First choose two people in the room and write their names below.

1. \_\_\_\_\_
2. \_\_\_\_\_

Write the actual order of people you shared with in the lines below.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

More? \_\_\_\_\_  
\_\_\_\_\_

Write the number of people that were originally infected. \_\_\_\_\_

What percentage is that of the total class? \_\_\_\_\_

Now that you know how many people had the virus to begin with, write the hypothesis. How many people do you think were infected by the virus? Why?

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

Do you think you were infected? Why?

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

The teacher will now administer a newly created test to identify the virus.

How many people were actually infected? \_\_\_\_\_

Calculate the Percent of Infection. \_\_\_\_\_

2. How could we figure out who was originally infected with the virus?

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**3. Answer only one of the following 3 questions based on the criteria listed:**

NOT INFECTED IN THE END; You probably shared with people who ended up infected with the virus, why weren't you infected?

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INFECTED IN THE END; shared with people who did not end up infected: Why were you infected by the virus, but some people you shared with were not infected?

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INFECTED IN THE END; shared with people who ended up being infected: Could you have been one of the people who had the virus before you began sharing? Why or Why not?

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