



## SW1 - Snot Gun Student Worksheet

### Snot Gun Experiment: Student Worksheet

Questions

1. Which disk do you think will be most affected by the sneeze?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which people do you think will be least affected by the sneeze?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What do you think will happen when you place a gloved hand over the sneeze?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What do you think will happen when you place a tissue over the sneeze?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Results

1. What was the furthest distance the sneeze travelled?

|  |  |  |
| --- | --- | --- |
|  | Distance travelled | Number of people contaminated |
| Sneeze alone |  |  |
| Gloved hand |  |  |
| Tissue |  |  |

1. Did any of the sneezes contaminate any of the people on the side lines? If so, how many?

|  |  |
| --- | --- |
| Sneeze alone |  |
| Gloved hand |  |
| Tissue |  |

1. How many ‘microbes’ landed on the person behind the sneezer?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conclusions

1. Based on this experiment what have you learnt about microbial transmission?  
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2. If we don’t wash our hands after sneezing into them, what might happen?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Which method is best for preventing the spread of infection, sneezing into your hand or sneezing into a tissue? Why?  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_