

WHAT'S ALL THE BUZZ ABOUT? VECTOR-BORNE DISEASES AND CLIMATE CHANGE

Step 1

What is a vector-borne disease? List 3 types of vectors that can transmit disease.

Step 4

Why did we use syringe barrels to model mosquito bites?

Step 2

What are 5 examples of vector-borne diseases?

Step 5

Were more or fewer people infected than you expected? Give 2 reasons to explain why the expected number can differ from the observed number of infected people.

Step 3

Fill out the table below for 2 rounds of bites. How many rounds of bites would it take for all the people to become infected? Your teacher will provide you the equations necessary to do the calculations.

Round of Bites	Total # People	Total # Infected People	Total # Mosquitoes	Infected Mosquitoes Added	Total # Infected Mosquitoes
0	20	0	7		2
1	20		7		
2	20		7		

Step 6

Why didn't we test whether the mosquitoes were infected?

Step 8

List 3 ways in which weather and climate can affect transmission of vector-borne diseases.

Step 7

List 3 ways this experiment does not accurately model mosquito-human interactions.