

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# How do different mitigation strategies affect the spread of an infection in a community?

## Part A

### Control conditions

Set these variables in your simulation to the following values shown to the right.

initial-infected 5

autostop?

Infection color key: pink = asymptomatic red = symptomatic

initial-students 104

schooling-plan  
in person (no masks) ▼

### Record your initial conditions

- Press **SETUP**. *DO NOT PRESS GO, YET.*
- Look for where the 5 red and/or pink circles (people) are in the population.
- Determine how many of the infected are students. Students have a black dot in the middle of their circles. Record this number in the table to the right.
- Determine how many of the infected are not students. Record this number in the table to the right.

# of people initially infected = 5	
# that are students	# that are not students

### Run the model

- Press **GO/PAUSE**. Run the model until there are no infections left in the population. You can speed up the model run using the speed slider if you wish.
- Based on your simulation run, discuss how your graph and its related values compare to your partner's. Record what is similar between these two trials and what is different in the space below

Similarities	Differences

### Compare your results as a class

- Share how the results from your individual trials compared across the class.

