**Bozeman Science→ Herd Immunity** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_

<https://www.youtube.com/watch?v=kLUzwT9tWxY>

Watch the video and you may need to pause, re-wind and re-watch in order to answer the questions below. I expect that you will watch this more than once to fully understand what Mr. Anderson in explaining.

1. Define **herd**:

2. What is the **Rₒ** (*R-not*) number and what does this tell us?

3. What is **immunity**? How is this helpful to a population?

4. What is the problem with classic herd immunity?

 What solution has science come up with to this problem?

5. Why can’t we vaccinate *everybody*?

6. What is the **herd immunity threshold** and how is this number determined?