Complete as a Group

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Vaccine Dilemma

Answer the following questions as you watch the video “Calling the Shots” and doing other related activities. You will need these answers to complete the final presentation portion of this project.

Calling the Shots Part 1: Immunity

1. List three reasons people give for not vaccinating their child.
   - How many to give at once.
   - Think immune system isn’t strong enough.
   - Reactions/side effects.
   - No unbiased information.

2. Why are outbreaks of diseases we thought were eradicated occurring?
   People who are choosing to not vaccinate. Protection wears off. Older kids and adults do not get boosters. Airborne diseases.

3. List steps the body takes to build immunity.
   - Making antibodies, memory cells save antibodies. The same antibodies fight off the disease.

4. What is the role of white blood cells?
   - The cells that fight off different pathogens. Called immune cells, replicate, arm themselves, attack with antibodies.

5. Why are infants so susceptible to disease?
   - Some are too young to receive the vaccine. Weaker immune systems.

Calling the Shots Part 2: Smallpox

6. Give an example of an early vaccination method.
   - A superficial scratch in the skin with a dried scab put on it. Cowpox instead of smallpox vaccine, injections. People did get sick, but more mild and a faster recovery.

7. Do you think vaccines have improved public health? Why?
   - Yes, it dropped the death rate and there are less epidemics.