

Name: _____ Date: 5/21/16 Per: 6 De Collibus

NOVA's Vaccines: Calling the Shots

Before we watch the DVD, predict whether each statement is TRUE or FALSE in the prediction column. As we watch, conclude whether the statement is actually TRUE or FALSE.

Prediction	Actual	
True	False	1. Approximately 70% of parents choose to vaccinate their children. <u>90%</u>
False	True	2. Vaccines can wear off after a few years, so some require booster shots to provide the appropriate immunity.
False	False	3. Approximately 50% of people exposed to measles that are not immune actually get sick from the virus. <u>99%</u>
True	True	4. Families can claim religious exemption to avoid having their children get the required vaccinations to attend school.
False	False	5. In the 1500s 1 in 10 children died before the age of 5. <u>1 in 3</u>
False	False	6. Vaccines got their name from the word for sheep . <u>COW</u>
True	True	7. Vaccines contain weakened or dead parts of antigens, making it easier for immune system to win quickly.

MATCHING:

2. B Pertussis

3. C Measles

4. A Smallpox

5. D Polio

A. Causes small puss filled bumps on skin, infection of cowpox created immunity against this virus

B. Inflammation of the lungs, lots of coughing, commonly affects infants and young children

C. Causes fever and red rash on the skin, US declared free of this virus in 2000 but has returned, very infectious

D. Affects the spinal cord leaving many infected individuals paralyzed, infection rate dropped by 99% when vaccine was introduced in 1955

6. Define and provide an example of/purpose for THREE of the following terms:

Eradicate	Herd immunity	Immuno-compromised	Virulent
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Eradicate - To destroy ; completely put an end to.

⊗ Eradicate the spread of disease.

Herd immunity - general immunity among a population to a particular pathogen

⊗ Herd immunity towards measles.

Immuno-compromised - having an impaired immune system.

Virulent - extremely harmful in effects of a disease.

⊗ Small pox has virulent consequences.

7. **AGREE OR DISAGREE** with the following statements and **EXPLAIN WHY**:

The threat of contagious disease is underappreciated.

Vaccines cause autism.

Vaccination and any associated risk is better than not vaccinating at all.