

Unit 2: Lesson 3 – Development of Vaccines

Activity 1: Types of Vaccines – Weakened Vaccine Worksheet

1. Watch the clip titled *Chickenpox Vaccine* from the video, “Vaccines and Your Baby”:
<https://www.youtube.com/watch?v=sDEs8ZB-hsA>.
2. Fill in the blanks based on your understanding of the video clip:
 - a. Over time, the chickenpox virus grown in the laboratory became _____ at growing in children.
 - b. The chickenpox vaccine doesn’t cause disease because the virus does not _____, but it does provide _____.
3. Using your Apple mobile device, download the Vaccines Mobile App, click on “Types of Vaccines”. If you do not have an Apple mobile device, access the Children’s Hospital of Philadelphia Vaccine Education Center website: <http://www.chop.edu/centers-programs/vaccine-education-center>.
4. Conduct additional online research as necessary to complete the following:
 - a. Name one benefit of the weakened virus approach to making a vaccine?

- b. Name one a disadvantage to the weakened virus approach to making a vaccine.

- c. Describe how live, weakened vaccines are made.

- d. List four vaccines made using live, weakened viruses.

5. Create a presentation that summarizes your research about live, weakened virus vaccines. Ensure that your presentation:
 - a. Explains how a live, weakened virus vaccine is made.
 - b. Shows how a live, weakened virus vaccine works.
 - c. Describes the advantages and disadvantages of live, weakened virus vaccines.
 - d. Lists examples of live, weakened virus vaccines.