

Unit 2: Lesson 3 – Development of Vaccines

Activity 1: Types of Vaccines – Inactivated Vaccine Worksheet

1. Watch the clip titled *Polio Vaccine* from the video, “Vaccines and Your Baby”:
<https://www.youtube.com/watch?v=ydyzkVVuKkE>.
2. Fill in the blanks based on your understanding of the video clip:
 - a. US President _____ was directly affected by the poliovirus.
 - b. Dr. Jonas Salk made the polio vaccine by first _____ the virus, and then using a chemical to _____ the virus.
 - c. The _____ case of natural polio in the United States occurred in _____.
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. List two benefits of using an inactivated virus to make a vaccine.

- b. Name one disadvantage of using an inactivated virus to make a vaccine.

- c. Describe how inactivated virus vaccines are made.

- d. List four vaccines made using inactivated viruses.

5. Create a presentation that summarizes your research about inactivated virus vaccines.

Ensure that your presentation:

- a. Explains how an inactivated virus vaccine is made.
- b. Shows how an inactivated virus vaccine works.
- c. Describes the advantages and disadvantages of inactivated virus vaccines.
- d. Lists examples of inactivated virus vaccines.