

Name _____ International Women's Day
Lesson 6: The Women Behind The Pertussis Vaccine

On the next pages, there are sentences where you will fill in the blanks using words to show your understanding of the lesson on the women behind the pertussis vaccine.

You will choose the correct word(s) from the list of words here on page 1.
Spell correctly. Write neatly.

You can track answers by putting an x beside a word in the list below as you use it.
Use a pencil so you can erase if it is wrong.

- | | | |
|---------------------------------|-----------------|---------------|
| • chemist | • stronger | • Eldering |
| • children | • vaccine | • budget |
| • Michigan Women's Hall of Fame | • whooping | • today |
| • PhD | • severe | • respiratory |
| • isolated | • 1940 | • ambitious |
| • Gordon | • permission | • families |
| • unsuccessful | • samples | • infectious |
| • Michigan Health Department | • harmful | • ethical |
| • toxins | • pertussis | • breathe |
| • Kendrick | • United States | |



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Fill in the blanks with the correct word(s) from the list provided on page 1.

In 1920, _____ diseases were causing about 35% of all deaths in Michigan, in the _____.

One of these was _____ (a disease that is also called _____ cough).

Pertussis is a very infectious _____ disease.

- Pertussis is caused by Bordetella pertussis bacteria that release _____ in the body.
- Pertussis causes _____ coughing that makes it hard to _____.

Pearl _____ was an _____ young scientist who became associate director of the _____ . Soon after Kendrick received a _____ in Science from Johns Hopkins University.

Once back at the Michigan Health Department she and colleague Grace _____ began working on a pertussis _____ after other scientists had been _____.

Kendrick and Eldering had a limited _____. So they worked out a system to collect _____ of the B. pertussis bacteria themselves by having local doctors inform them of recent cases within the community and then going to the families directly.

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By _____, they had developed a highly effective vaccine that was being used to treat _____ across the U.S. They developed a new research process that included getting _____ from parents for children to participate in their trial study. Their new way of conducting research was both thorough and _____, and this is still used by research scientists _____.

Loney _____ was a _____ who joined the team to help make an even better Pertussis vaccine. She made an incredible discovery when she _____ a particularly _____ strain of B. pertussis bacteria. The updated vaccine using this strain was much _____ against pertussis. Gordon is honoured in the _____ _____ _____ for her "heroic work and accomplishment."

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Pearl Kendrick, Grace Eldering and Loney Clinton Gordon are an example of how collaborating well with others can lead to great achievements.

Share some personal reflections of anything you find inspiring, or interesting, or any other thoughts that show learning or impact for you based on this lesson. Perhaps you have had a time where you have had to collaborate with others. Or you dream of inventing or developing something.

You can present these in any expressive form such as written, slide presentation, collage, or art.



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