

# CM Learning

## The Process of Developing a Vaccine

*Put the following paragraphs in the correct order*

- A.** The next phase of trials involves several hundred people, comparing those who did and did not receive vaccine. During this phase, scientists calculate the right dose of vaccine to be given, and they continue to study the vaccine's safety.
- B.** There is a final stage of development before a vaccine can be distributed, and it takes three to four years to complete. Studies in this phase of development include thousands of study participants who are similar to the population that will receive the vaccine
- C.** Vaccine development typically begins in a research laboratory in a university or a medical centre. Scientists often spend years researching whether their ideas work, developing reagents and tests to measure their success (or lack of success), and finally, using animals to test their ideas.
- D.** Once the vaccine begins to be distributed, additional studies occur. These studies are called Phase IV studies.
- E.** Once an idea appears promising, it must be tested in a small number of healthy adults. These studies usually include less than 100 people and answer two questions: does the vaccine cause the expected reaction and is the vaccine safe?

### Answers:

**Paragraph 1:**

**Paragraph 2:**

**Paragraph 3:**

**Paragraph 4:**

**Paragraph 5:**