

Introduction to Epidemiology

Science · Practice Test · 15 Questions

1. What does the term 'epidemiology' refer to?

- A) The study of how diseases spread in populations
- B) The study of deep space planets
- C) The study of how to build robots
- D) The study of ancient mountain ranges

2. What is a 'vector' in the context of disease transmission?

- A) A type of liquid medication
- B) A living organism that carries a pathogen to a host
- C) A measurement of body temperature
- D) A laboratory test for vitamins

3. Which of these is considered a common way that germs can spread from person to person?

- A) Through telepathy
- B) By shaking hands
- C) By watching television
- D) Through reading books

4. What is the primary role of a vaccine?

- A) To help the immune system recognize and fight specific germs
- B) To provide extra vitamins to the body
- C) To cure all known types of stomach aches
- D) To change a person's blood type

5. What is the name for a disease that spreads quickly over a very large area or many countries?

- A) A local habit
- B) A pandemic
- C) A healthy lifestyle
- D) A weather pattern

6. How do public health officials help stop the spread of a contagious illness?

- A) By encouraging people to gather in large crowds
- B) By ignoring the illness
- C) By promoting handwashing and hygiene
- D) By closing all schools forever

7. Which of the following is an example of a pathogen?

- A) A clean glass of water
- B) A bacterium
- C) A healthy apple
- D) A piece of paper

8. What is 'quarantine' used for in public health?

- A) To reward people for being healthy
- B) To separate people who might be sick to prevent spreading infection
- C) To study the history of medicine
- D) To test new types of playground equipment

9. Which of these behaviors helps prevent the spread of germs through the air?

- A) Sneezing into your elbow
- B) Sharing used tissues
- C) Standing very close to someone coughing
- D) Touching your eyes without washing hands

10. What is a 'host' in the study of diseases?

- A) An animal or person in which a parasite or pathogen lives
- B) A special type of medical camera
- C) A person who writes books about science
- D) The person who cleans a hospital room

11. Which of these is a common strategy used to track how many people are sick in a region?

- A) Counting the number of sunny days
- B) Asking people to guess their health
- C) Collecting and analyzing health data
- D) Measuring the speed of the wind

12. What are antibiotics used to treat?

- A) Viral colds
- B) Bacterial infections
- C) Broken bones
- D) Minor sunburns

13. Why is clean drinking water important for preventing disease?

- A) Because it makes people run faster
- B) Because it prevents water-borne illnesses
- C) Because it makes food taste better
- D) Because it helps plants grow taller

14. What is an 'outbreak' in epidemiology?

- A) A sudden rise in the number of cases of a disease
- B) A type of medical equipment
- C) The discovery of a new planet
- D) A yearly school celebration

15. Which of these best describes 'hygiene'?

- A) A form of exercise
- B) Practices that help maintain health and prevent disease
- C) A type of scientific calculation
- D) The study of ancient fossils