

Public Health Essentials

Public Health · Practice Test · 15 Questions

1. Which of these scientists is credited with developing the first successful vaccine, which targeted smallpox?

- A) Louis Pasteur
- B) Edward Jenner
- C) Jonas Salk
- D) Joseph Lister

2. What is the primary public health purpose of adding fluoride to community drinking water?

- A) To kill harmful bacteria
- B) To remove heavy metals
- C) To prevent tooth decay
- D) To improve water taste

3. In the history of sanitation, who proved that cholera was spread through contaminated water rather than 'miasma' or bad air?

- A) John Snow
- B) Florence Nightingale
- C) Robert Koch
- D) Ignaz Semmelweis

4. What is the 'herd immunity' threshold typically referring to in epidemiology?

- A) The number of doctors needed in a city
- B) The percentage of a population that must be immune to stop disease spread
- C) The amount of medicine stored in a pharmacy
- D) The speed at which a virus mutates

5. Which global organization leads the coordination of international public health responses and disease tracking?

- A) UNICEF
- B) The Red Cross
- C) World Health Organization
- D) Doctors Without Borders

6. What process, named after a famous microbiologist, involves heating liquids to a specific temperature to kill pathogens?

- A) Sterilization
- B) Distillation
- C) Pasteurization
- D) Chlorination

7. What is the most effective public health method for preventing the spread of many infectious diseases like the common cold or influenza?

- A) Wearing sunglasses
- B) Frequent handwashing with soap
- C) Eating citrus fruits
- D) Taking vitamin supplements

8. Which nutrient deficiency, often addressed through public health fortification programs, causes goiter?

- A) Vitamin C
- B) Iron
- C) Iodine
- D) Calcium

9. What does the term 'vector' refer to in the context of disease transmission?

- A) An air-conditioned room
- B) A living organism that transmits a pathogen
- C) A type of medical mask
- D) The genetic code of a bacteria

10. Which type of pathogen is responsible for the disease Malaria, which is transmitted by Anopheles mosquitoes?

- A) Parasite
- B) Bacteria
- C) Fungus
- D) Prion

11. The 1918 influenza pandemic is a major focus of public health studies; what does it highlight about global health?

- A) The importance of air travel
- B) The speed of transmission in a connected world
- C) The benefit of antibiotics
- D) The danger of polluted soil

12. What public health practice involves tracking the patterns and causes of diseases in populations?

- A) Epidemiology
- B) Pharmacology
- C) Genetics
- D) Radiology

13. Which disease was declared globally eradicated by the World Health Organization in 1980?

- A) Polio
- B) Smallpox
- C) Measles
- D) Tuberculosis

14. What is the primary function of a 'quarantine' in a public health emergency?

- A) To treat infected patients
- B) To restrict the movement of exposed individuals
- C) To clean public buildings
- D) To manufacture new vaccines

15. In the context of public health, what is a 'fomite'?

- A) An infected animal
- B) A gaseous pollutant
- C) An inanimate object that can carry infection
- D) A type of blood cell