

Public Health Essentials

Public Health · Answer Key · 10 Questions

1. Which process involves the addition of chlorine or other substances to water to kill pathogens?

- A) Filtration
- B) Chlorination**
- C) Distillation
- D) Desalination

2. What is the primary function of a vaccine in public health?

- A) To cure existing viral infections
- B) To train the immune system to recognize pathogens**
- C) To provide immediate antibiotics
- D) To reduce the severity of genetic mutations

3. Who is widely considered the father of modern epidemiology for tracing a cholera outbreak to a water pump?

- A) Louis Pasteur
- B) Edward Jenner
- C) John Snow**
- D) Robert Koch

4. Which international organization serves as the specialized agency of the UN responsible for international public health?

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

5. What is 'herd immunity'?

- A) Resistance to disease in a population due to high vaccination coverage**
- B) The ability of animals to pass immunity to humans
- C) A state where all individuals are born immune
- D) Resistance developed by living on a farm

6. Which global public health initiative led to the only human disease being declared officially eradicated in 1980?

- A) Polio
- B) Smallpox**
- C) Measles
- D) Malaria

7. What is the most effective way to prevent the spread of infectious diseases in a community setting?

A) Handwashing

B) Taking vitamin supplements

C) Wearing sunglasses

D) Drinking herbal tea

8. What is the primary purpose of a 'quarantine'?

A) To punish the sick

B) To restrict movement of those exposed to a contagious disease

C) To provide medical treatment

D) To observe wildlife

9. In public health, what does 'morbidity' refer to?

A) The number of deaths in a population

B) The rate of incidence of a disease

C) The average age of a population

D) The cost of healthcare

10. Which discovery by Alexander Fleming revolutionized the treatment of bacterial infections?

A) Insulin

B) Penicillin

C) X-rays

D) Anesthesia