

# Public Health Essentials

Public Health · Practice Test · 10 Questions

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**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