

Diseases

1 What vaccine-preventable disease can be spread in restaurants via contaminated food or by infected workers who do not properly wash their hands?

- A. Hepatitis A
- B. HPV
- C. Hepatitis B
- D. Measles

2 Rotary International held a campaign to raise funds for what vaccine?

- A. Rotavirus
- B. HPV
- C. Polio
- D. Hepatitis A

3 People without a spleen are more susceptible to which diseases?

- A. Pneumococcal and meningococcal diseases
- B. Chickenpox and measles
- C. Diphtheria and pertussis
- D. Polio and rotavirus

4 Which vaccine-preventable disease wiped out tribes of Native Americans when introduced in the New World?

- A. Polio
- B. Smallpox
- C. Hepatitis A
- D. Pertussis

5 What vaccine-preventable disease has also been called the 100-day cough?

- A. Pertussis
- B. Pneumococcal disease
- C. Varicella (Chickenpox)
- D. Meningococcal disease

6 Some diseases are only found in humans; however, influenza can infect many types of animals. Which animals can also get influenza?

- A. Birds, aquatic birds, pigs, horses, dogs, cats and sea mammals
- B. Bears and deer
- C. Lemurs, lions and tigers
- D. Elephants, zebra, buffalo and meerkats

7 The American Red Cross held a campaign to raise funds for distribution of what vaccine?

- A. Polio
- B. Measles
- C. Hepatitis B
- D. Rotavirus

8 Botox™ uses a diluted form of the toxin produced by what bacteria?

- A. *Corynebacterium diphtheriae*
- B. *Haemophilus influenzae* type B
- C. *Clostridium botulinum*
- D. *Neisseria meningitidis*

9 What vaccine-preventable diseases are spread through tiny droplets that hang in the air?

- A. Hepatitis B and HPV
- B. Chickenpox and shingles
- C. Measles and chickenpox
- D. Smallpox and pertussis

10 What vaccine-preventable disease kills almost everyone it infects?

- A. Polio
- B. Rubella
- C. Chickenpox
- D. Rabies

Diseases ANSWERS

1

The correct answer is **A**

Hepatitis A is commonly transmitted through food that has not been cleaned properly or has been handled by someone with hepatitis A. Although we don't often hear about them, hepatitis A outbreaks occur every year in the United States.

2

The correct answer is **C**

Rotary International began the End Polio Now campaign to raise funds to provide polio vaccine to children in areas where infectious polio still exists and to help eradicate polio from the world. Other groups also working in this campaign include the Bill and Melinda Gates Foundation, Centers for Disease Control and Prevention (CDC), the World Health Organization (WHO), and UNICEF.

3

The correct answer is **A**

People without a spleen are more susceptible to pneumococcus and meningococcus. For this reason, they are recommended to receive vaccines to prevent these diseases.

4

The correct answer is **B**

Aztecs and Incas in South American and Algonquins and Narragassetts in North America were essentially destroyed by smallpox infection introduced by settlers. In some cases, diseases were spread intentionally by offering the Natives blankets and harborships contaminated with smallpox pus.



5

The correct answer is **A**

Pertussis, or whooping cough, occurs in three stages with cold-like symptoms occurring during the first stage. Intense and prolonged coughing occurs during the second and third stages, typically lasting for weeks or several months.

6

The correct answer is **A**

Besides infecting humans, influenza virus can infect birds, aquatic birds, pigs, horses, dogs, cats and sea mammals. Occasionally, an animal, such as a pig, will be infected with multiple strains that combine to form a new strain that can infect humans. This can lead to a pandemic.

7

The correct answer is **B**

In 2001, the American Red Cross, in conjunction with the Centers for Disease Control and Prevention (CDC), World Health Organization (WHO), UNICEF, and United Nations Foundation, launched the Measles and Rubella Initiative, a worldwide vaccination campaign that has successfully vaccinated 1 billion children in 80 developing countries.

8

The correct answer is **C**

Botox™ is a very dilute form of the neurotoxin produced by Clostridium botulinum. Wrinkles are caused by facial muscles that continually contract; Botox™ treats wrinkles by relaxing these muscles.

9

The correct answer is **C**

Measles and chickenpox viruses spread through respiratory droplets that hang in the air. Infections with either virus are typically more severe in adults than children.

10

The correct answer is **D**

Rabies is typically transmitted to humans through the bite of an infected animal. Rabies virus infects the brain causing encephalitis and ultimately death within days of the onset of symptoms.