

Name: _____ Date: _____

Germs Be Gone: Disease Prevention for 11th Grade Juniors

High schoolers analyze pathogen transmission routes and community health protocols through recall-based scenarios involving public sanitation and personal immunity.

1. Which of the following is considered a 'vector' for transmitting diseases like Zika or Malaria, rather than a direct pathogen?

- A. Staphylococcus bacteria
- B. Aedes aegypti mosquitoes
- C. Rhinovirus particles
- D. Contaminated well water

2. Herd immunity occurs when a large portion of a community becomes immune to a disease, making the spread from person to person unlikely.

- A. True
- B. False

3. To prevent the spread of Norovirus in shared living spaces, surfaces should be cleaned with _____.

- A. Warm soapy water alone
- B. A dry microfiber cloth
- C. A chlorine bleach solution
- D. Vinegar-based spray

4. Which of these is a preventive measure specifically designed to protect against 'fomite' transmission?

- A. Wearing a mask in a theater
- B. Avoiding undercooked shellfish
- C. Disinfecting a shared gym mat
- D. Getting a tetanus booster

5. Why is the completion of a full course of prescribed antibiotics essential for preventing the rise of 'superbugs'?

- A. It prevents the medicine from expiring
- B. It ensures the strongest bacteria are eliminated
- C. It helps the body produce its own antibiotics
- D. It allows the patient to develop a virus

6. Pathogens like the fungus that causes Athlete's Foot thrive best in dry, cold environments.

- A. True
- B. False

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7. The primary purpose of a _____ is to stimulate the body's immune memory without causing the actual disease.

- A. Probiotic
- B. Antihistamine
- C. Vaccine
- D. Antibiotic

8. Junior-year students planning to live in dorms are often required to be vaccinated against Meningitis. How is this bacteria primarily spread?

- A. Through contaminated soil
- B. Through exchange of respiratory secretions
- C. By eating unwashed raw vegetables
- D. Via mosquitoes in tropical climates

9. Standard surgical masks are primarily designed to prevent the wearer from spreading droplets to others rather than filtering out all inhaled viruses.

- A. True
- B. False

10. Cross-contamination in a kitchen occurs when _____ are transferred from one food item to another via shared utensils.

- A. Vitamins
- B. Pathogens
- C. Enzymes
- D. Proteins