

Year 9 Science Worksheet: Diseases, Pathogens, and Prevention

Name: _____

Date: _____

1. Which of the following diseases is caused by a virus?
 - A. Tuberculosis
 - B. Athlete's foot
 - C. COVID-19
 - D. Type 1 Diabetes
2. What is the main characteristic of an infectious disease?
 - A. It cannot be spread from person to person.
 - B. It is always fatal.
 - C. It can be spread from person to person.
 - D. It only affects humans, not animals.
3. Why are viruses considered non-living organisms? Choose **two**.
 - A. They cannot reproduce on their own and require a host cell.
 - B. They do not contain genetic material.
 - C. They are not made of cells.
 - D. They are not visible to the naked eye.
4. How do fungi typically spread from one host to another?
 - A. Through spores in the air.
 - B. Through blood transfusions.
 - C. Through unclean water.
 - D. Fungi cannot spread from host to host.
5. Which type of pathogen is typically treated with antifungal medication?
 - A. Virus
 - B. Bacteria
 - C. Protozoa
 - D. Fungi
6. **Classification Table:** Complete the table below by classifying each disease as infectious or non-infectious.

Disease	Infectious/Non-infectious
Common Cold	
Asthma	
Measles	
Arthritis	
Malaria	
Obesity	

7. Cloze Activity: Complete the paragraph by filling in the blanks with the correct terms from the word bank below.

Word Bank: microorganisms, bacteria, viruses, fungi, infectious

Pathogens are _____ that cause disease. The main types of pathogens include _____, which are tiny, non-living particles that invade cells; _____, which are single-celled organisms that can live in a variety of environments; and _____, which are multi-cellular organisms that often infect skin, nails, and lungs. These pathogens can cause _____ diseases, which are illnesses that can be passed from an infected individual to another.

8. **Prevention Measures:** For each method of disease spread listed below, write down one prevention measure that could be effective.

Method of Spread	Prevention Measure
Coughing or Sneezing	
Touching or Handshakes	
Bites from Insects	
Eating or Drinking	
Contact with Contaminated Surfaces	

9. You have the flu. Your parent has some old antibiotics leftover and suggests that you take them to fight the flu and feel better. Will this work? Why / why not?