

STUDENT WORKSHEET

Subject: Science / IPA

Chapter 4: Microorganisms

Topic: Introduction to Microbes, Habitats, Decay, and Disease Transmission

Group Name: _____

Class: _____

Date: _____

Group Members:

1. _____
2. _____
3. _____
4. _____

1 ACTIVITY 1: "ZOMBIE ZOONOSIS" SIMULATION (15 Minutes)

Outdoor / Field Activity



Observation Results:

Count how many of your group members' palms have powder/flour stains on them after shaking hands in the field?

→ Number of infected friends: _____ people out of _____ total group members.



Detective Analysis (Open Textbook Page 87 - Subsection 4.4 Disease):

If the powder represents a virus or bacteria (germs), how can invisible germs spread so quickly among humans?

Answer: _____

3 ACTIVITY 3: FOOD POISONING CASE INVESTIGATION (15 Minutes)

In-Class Discussion (Refer to Textbook Page 80)

Case Scenario:



"At a party, several guests experienced stomach aches and diarrhea after eating soft-boiled eggs and drinking water from an open container."



1. Based on Textbook Page 80, which bacteria was likely present in the soft-boiled eggs?
→ Answer: _____ bacteria
2. Write down 2 simple ways to prevent food in our canteen or home from easily being contaminated by harmful bacteria!
→ Method 1: _____

→ Method 2: _____



CONCLUSION



Small microbes... Big impact!

The roles of microorganisms in our surrounding environment are divided into two:

- 1 As Decomposers: Function to _____.
- 2 As Disease Triggers (Germs): Can be prevented by _____.



Clean Food Healthy Life!