

# 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!