## **Friendly Microorganisms**

#### A

A.	Choose the Correct Answer:  1. Which microorganism is used in the production of curd?	
	a) Yeast	b) Bacteria (Lactobacillus)
	c) Virus	d) Algae
	2. Which of the following micro	organisms is used in the production of
	antibiotics?	
	a) Yeast	b) Virus
	c) Penicillium (Fungus)	d) Amoeba
	3. Rhizobium bacteria help plants by:	
	a) Causing diseases	b) Making the soil dry
	c) Fixing nitrogen in the soil	d) Blocking roots from absorbing water
В.	ill in the Blanks: is a microorganism used to convert milk into curd.	
	2. The first antibiotic, penicillin, was discovered from the fungus	
	3. Microorganisms used in the production of alcohol are mainly	
C.	ase Study:	
	Anika visited her uncle's dairy farm a	nd noticed that curd was being made in large

### C.

containers. Her uncle explained that a special kind of bacteria is used to turn milk into curd. He also showed her how yeast is used in baking bread and in making wine.

#### **Case Study Questions:**

- 1. What role did bacteria play in curd production?
- 2. What is the function of yeast in baking and fermentation?
- 3. How do microorganisms like Rhizobium benefit farmers?
- 4. What does this case teach us about the importance of microorganisms in food industries?

# D. Short Answer Questions:

- 1. Name two useful microorganisms and their applications.
- 2. How do microorganisms help in the preparation of medicines?
- 3. What is fermentation? Name the microorganism responsible for it.

#### **E.** Long Answer Questions:

- 1. Explain how microorganisms are helpful in food production, agriculture, and medicine.
- 2. Describe the role of friendly microorganisms in cleaning the environment.
- 3. How do microorganisms help in making curd, bread, and alcohol? Explain with examples.