

Understanding both beneficial and harmful microbes helps us harness their advantages while protecting against their negative effects.

- Beneficial microbes: food production.
- Yeast for bread, bacteria for yoghurt/cheese.
- Microbes produce antibiotics like penicillin.
- Used in biotechnology, medical applications.
- Harmful microbes: cause diseases.
- In humans, animals, plants.
- They spread through various means.
- Understanding both helps harness benefits, prevent harm.

- 1 List two beneficial uses of microbes.
- 2 List two harmful effects of microbes.
- 3 Research how penicillin was discovered.
- 4 Discuss how yoghurt is made using bacteria.
- 5 Discuss prevention measures against harmful microbes.
- 6 Explain the dual nature of microbes in your own words.