

Mathugama Educational Zone

Science - Grade 8

The developmental project (Unit wise)

Unit 01

Importance of Microorganisms

Answer all questions given below.

Part A

1. Name three instruments which are used to observe microorganisms in a field trip.

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2. Name the scientist who observed microorganisms first?

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3. To which microbial group do *Amoeba* and *Paramecium* belong?

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4. Name the type of microorganism used in the bakery industry.

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5. Mention the relevant range of temperature for growth of microorganisms

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6. On which type of nutrients does putrefaction occurs?

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7. Name a fungal disease which can be infected on the human skin?

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8. To which animal does 'foot and mouth disease' infect?

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9. Name the microbial disease infect on chilli plant?

10. Mention an economical disadvantage of microorganisms.

Part B

1.(a) Briefly explain who microorganisms are?

(b) Write four habitats of microorganisms.

(c) Name four types of microorganisms.

2.(a) What are the changes occur on food because of the activity of microorganisms?

(b) Write the main factors essential for food spoilage.

(c) Name the type of microbial activity occur on the following food items.

1. Food, high in sugars
2. Food, high in protein
3. Food, high in fat

3. (a) Write four beneficial effects of microorganisms.

(b) What is known as the biological pest control ?

(c) Name one disease spread by each type of microorganisms

1. Virus
2. Bacteria
3. Fungi
4. Protozoa

(d) Name an infectious disease caused by microorganisms for plants.

(e) Name an infectious disease caused by microorganisms for animals.