

WORKSHEET

CLASS- VIII

SUBJECT- Science

CHAPTER-2, Microorganisms: Friends or Foes

A. Fill in the blanks.

1. Bacteria and _____ are some of the common decomposers.
2. Harmful materials released by microorganisms in our body are called _____.
3. Smut of _____ and red rot of _____ is a fungal disease.
4. Sodium _____ and Potassium _____ are used to preserve_____, _____ & pickles.
5. Dogs get infected with this virus disease called _____.

B. State whether these statements are True or False.

1. Both humans and cattle get infected by tuberculosis and ringworm. _____.
2. Tetanus and typhoid are diseases caused by viruses. _____.
3. Microorganisms produce ethanol by fermentation of sugars. _____.
4. Chlorella and Spirogyra are protozoans. _____.
5. Vacuum packing used for storing nuts deprives bacteria of oxygen. _____.

C. Match the following.

- | | |
|---------------------|-------------------|
| 1. Citrus canker | Orange patches |
| 2. Antibody. | Bioaugmentation |
| 3. Clostridium | Bacterial disease |
| 4. Rust of wheat | Destroy bacteria |
| 5. Sewage treatment | Bad odour & taste |
| 6. Rancidity. | Cattle disease |
| 7. Anthrax. | Food poisoning |

D. Answer the following.

1. Rohan had idli in his breakfast which he found very soft & fluffy.
 - a. What made the idli soft & fluffy , according to you?
 - b. Which organism was responsible for making the idlis soft & fluffy ?
2. What is the role of microorganisms in enriching the soil?
3. Name two antibiotics obtained from fungi and discuss their role.
4. Discuss, how microorganisms play a vital role in agriculture.
5. Microorganisms are found everywhere in our environment. Explain.

E. Give reasons for the following.

1. Food kept in the open by hawkers should not be consumed.
2. Vacuum packing is commonly used to store nuts.
3. Stems of sugarcane show dull red colour along with White patches on stalks.
4. Common cold and conjunctivitis are communicable diseases.
5. Microorganisms can help in the production of fuel for energy.

F. Choose the correct options.

1. Vinegar is commonly known as
 - a. Citric acid
 - b. Acetic acid
 - c. Carbonic acid
 - d. None
2. Mumps is a ——— disease.
 - a. Bacterial
 - b. Virus
 - c. Protozoan
 - d. Fungal
3. Which of these can be prevented by vaccination?
 - a. Tetanus
 - b. Polio
 - c. Measles
 - d. All of these
4. ——— helps in the formation of curd.
 - a. Lactobacillus
 - b. Rhizobium
 - c. Coccus
 - d. None of these
5. Jams and jellies are preserved with the help of
 - a. Sugar
 - b. Chemical preservatives
 - c. Salt
 - d. Both a & b
6. Which of the following are methods of preservation?
 - a. Canning
 - b. Freezing
 - c. Vacuum packing
 - d. All of the above
7. Which of these are protozoans?
 - a. Euglena
 - b. Spirogyra
 - c. Paramecium
 - d. a & c both
8. The special cells produced in response to a disease causing microbe are called
 - a. Antigens
 - b. Antibodies
 - c. Immunity
 - d. None of above
9. These are diseases caused by bacteria
 - a. Cholera
 - b. Typhoid
 - c. Tetanus

- d. All of these
10. Which of these diseases get transmitted through animals?
- a. Tetanus
 - b. Rabies
 - c. Malaria
 - d. Typhoid

**G. Do some research and find out more about the SARS virus.
Are there any similarities between SARS and Covid-19 virus? Which one of these two is more dangerous for humans? Does Covid-19 have more varieties/strains?**