

1. Answer the following questions.**i. In what ways yeast is a useful fungus?**

Yeast is a useful fungus because it is used in making bread and some antibiotics.

ii. In what ways are some types of bacteria useful?

Not all bacteria are harmful. Some of them are very useful for humans, other animals and plants.

Yogurt, cheese and butter are all prepared by using bacteria.

Some bacteria live in our body and help in digestion.

iii. What are the methods to preserve food?

We can preserve food by following ways:

- Processed foods are kept safe as they are sealed in plastic or in tins.
- Some foods can be kept safe from going bad by the use of chemicals.
- Milk can be preserved by a process called pasteurization.

iv. What should we always do before handling or eating food?

We should always wash our hands before handling and eating food.

v. Why should we wash fruits and vegetables before eating them?

Eating unwashed, spoiled food or uncovered food is one of the main way of germs to get in our body and cause different diseases. So we should wash fruits and vegetables before eating them.

2. Tick the right option.

i. Which of the following are ways to keep food free from germs?

- a. freezing
- b. cooking
- c. sterilizing
- d. all of these

ii. Which of the following is not a microorganism?

- a. a fly
- b. bacteria
- c. mould
- d. a virus

iii. Bacteria are used to prepare:

- a. yogurt
- b. bread
- c. cake
- d. milk

iv. Which type of germs cause pneumonia?

- a. viruses
- b. bacteria
- c. fungi
- d. protozoa

v. Milk is pasteurized at a temperature of:

- a. 30°C
- b. 40°C
- c. 60°C
- d. 80°C

3. Crosswords

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			² V	i	r	u	³ S	e	s												
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Across

- 2. harmful
- 5. Studies microorganisms

Down

- 1. polio virus
- 3. Vitamin D
- 4. a fungus

4. Words Search

Find the following word in the words search.

Bacteria	Communicable	Mushroom	Protozoa	Cholera
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O	M	U	S	H	R	O	O	M	Q	I	D	C
Y	U	N	V	G	D	J	J	X	J	U	B	H
D	P	R	O	T	O	Z	O	A	W	V	H	O
L	Y	M	H	O	P	I	S	M	X	H	M	L
C	O	M	M	U	N	I	C	A	B	L	E	E
J	W	X	A	N	T	U	B	O	F	U	E	R
G	O	Y	P	D	J	C	D	R	H	I	U	A
W	P	N	R	X	C	C	S	H	I	M	H	B
J	V	G	B	A	C	T	E	R	I	A	F	N

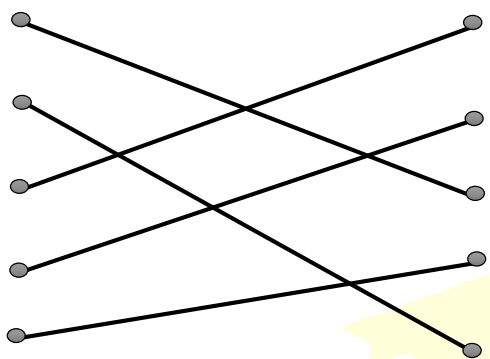
5. Jumbled Words

- | | |
|---------------------------------------|---|
| i. icromorgaismn <u>Microorganism</u> | ii. isaesde <u>Disease</u> |
| iii. actebria <u>Bacteria</u> | iv. fneiction <u>Infection</u> |
| v. rotopzoa <u>Protozoa</u> | vi. aspteuriazion <u>Pasteurization</u> |
| vii. unfgus <u>Fungus</u> | viii. acvcination <u>Vaccination</u> |
| ix. irvus <u>Virus</u> | x. thealh <u>Health</u> |

6. Columns

Match the column A with column B.

Column A		Column B
Poliovirus	●	Cholera
Influenza	●	Food poisoning
<i>Vibrio cholerae</i>	●	Polio
<i>E. coli</i>	●	Diarrhea
Rotavirus	●	Flu



7. Fill in the blanks using the given words.

fungi	bacteria	chemicals	unicellular	pasteurization
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- i. Foods packed in a factory contain **chemicals**.
- ii. Milk can be preserved by a process called **pasteurization**.
- iii. Living things which are made of one cell are called **unicellular** organisms.
- iv. A useful type of **bacteria** is used in making yogurt.
- v. A mushroom is an example of an edible **fungi**.

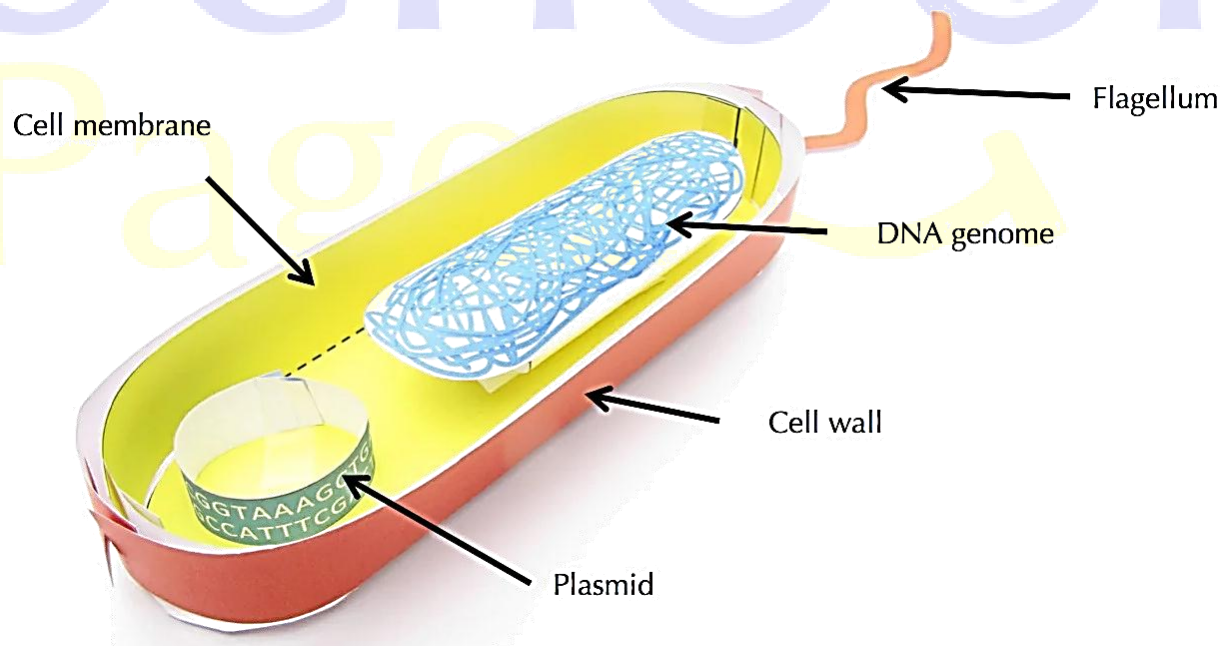
8. Write “T” for the true and “F” for the false statement.

- i. Infections cannot be caused by small worms.
- ii. Germs are killed by pasteurization.
- iii. Influenza is caused by a virus.
- iv. All kinds of bacteria are harmful.
- v. The body gets vitamin D from sunlight.

F
T
T
F
T


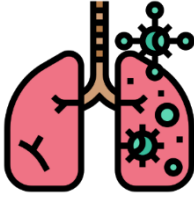



9. Label the diagram.

A bacterial cell



10. Drag and Drop

Look at the pictures and write their names in the relevant column.

				
Ringworms	Pneumonia	Mumps	Typhoid	Hepatitis

Diseases	Causes
Ringworms	Fungi
Pneumonia	Bacteria
Mumps	Virus
Typhoid	Bacteria
Hepatitis	Virus

11. Comprehension

Answer the following questions after reading the paragraph.

Microorganisms, often referred to as microbes, are tiny living organisms that are too small to be seen without a microscope. They are found everywhere - in the air, water, soil, and even inside other living organisms. Microorganisms come in various shapes, sizes, and types, including bacteria, viruses, fungi, protozoa, and algae. Despite their small size, these microbes play crucial roles in numerous ecosystems, ranging from decomposing organic matter to aiding in various biological processes.

i. Which instrument is used to see microorganisms?

Ans: Microscope.

ii. Where do microorganisms exist?

Ans: They are found everywhere - in the air, water, soil, and even inside other living organisms.

iii. What is another name for microorganisms?

Ans: Microorganisms are also referred as microbes.