

St. Andrews Scots Sr. Sec. School

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Class VIII (Session: 2026-2027)

Worksheet-2

Subject: Science

Chapter: The Invisible Living World: Beyond Our Naked Eye

Q.1. Define:

- (a) Spirulina
- (b) Microbiology
- (c) Cytoplasm

Q.2.Fill in the blanks:

- a) _____ cells are long and help in movement.
- b) Yeast is added to dough to produce _____ which makes the dough rise.
- c) _____ gas is highly flammable and is called biogas.
- d) _____ microorganisms are acellular and can't multiply on its own.
- e) _____ are essential tools to observe the shape and arrangement of cells.

Q3. Very Short Question Answers:

- a) Write the name of a bacterium that helps in the formation of curd.
- b) What is the function of the cell membrane?
- c) What is the role of yeast in baking?
- d) Why is safranin used in the onion peel activity?
- e) How are cheek cells different from onion peel cells?

Q.4. Multiple Choice Questions:

- a) Who discovered the cell?
 - i) Robert Brown ii) Robert Hooke iii) Schleiden iv) Darwin
- b) The control centre of the cell is _____.
 - i) cytoplasm ii) nucleus iii) cell membrane iv) Vacuole
- c) The jelly-like substance inside the cell is _____.

i) cytoplasm ii) nucleus iii) cell wall iv) vacuole

d) Microorganisms are also known as

i) yeast ii) microbes iii) viruses iv) amoeba

e) Tiny-organisms which cannot be seen with the naked eyes are called

i) microorganisms ii) animals iii) fungi iv) bacteria

Q.5. Answer the following Questions:

(a) Why does curd set faster in summers than in winters?

(b) Why is it important to place the coverslip carefully in the activity?

(c) Explain briefly Spirulina-The superfood from microalgae.

(d) What was the role of Dr. S.V.Desai in promoting the use of biogas?

(e) How will you prove that carbon dioxide is released during fermentation?