# Worksheet: The Invisible Living World: Beyond Our Naked Eye

Maharashtra State Board · Class 8 · Science · 8 questions · 16 marks

Name: _____ Date: _____ Score: _____ / 16

**Q1.** Which of these is found in plant, fungal AND bacterial cells, but not in animal cells? *[1 mark]*

A) Cytoplasm

B) Nucleus

C) Cell wall

D) Chloroplast

**Q2.** Bacteria differ from the cells of plants, animals, fungi and protozoa because they: *[1 mark]*

A) Have no cell membrane

B) Are always multicellular

C) Have no cytoplasm

D) Have a nucleoid instead of a well-defined nucleus

**Q3.** Dough rises when yeast is added because yeast produces: *[1 mark]*

A) Methane

B) Carbon dioxide

C) Lactic acid

D) Oxygen

**Q4.** Arrange in order and define each: organ, cell, organism, tissue, organ system. *[2 marks]*

**Q5.** In the yeast-and-dough activity, why is a second bowl kneaded without any yeast? *[2 marks]*

**Q6.** A farmer growing beans adds no nitrogen fertiliser yet gets a healthy crop, while his neighbour growing wheat must add it. Explain. *[3 marks]*

**Q7.** Gas from a test tube containing yeast and sugar solution is bubbled through lime water, which turns milky. What does this show, and what control is needed before you can claim the yeast caused it? *[3 marks]*

**Q8.** Why are viruses described separately from bacteria, fungi and protozoa in this chapter? *[3 marks]*