

WORKSHEET -1, CLASS-9, BIOLOGY

Chapter-5, The Fundamental unit of life

- 1) If you are provided with some vegetables to cook. You generally add salt into the vegetables during cooking process. After adding salt, vegetables release water. What mechanism is responsible for this? (1)
- 2) Bacteria don't have chloroplasts but some bacteria perform photosynthesis. Which part of bacterial cell performs this? (1)
- 3) Why is endocytosis found in animal cell only? (1)
- 4) Why do spinach look green, papaya yellow and edible part of watermelon red? (2)
- 5) Why does the skin of your finger shrink when you wash clothes for a long time? (2)
- 6) Saksham puts some raisins in two breakers. One breaker contained water at room temperature and other had ice-cold water. After some time what will be the observation? State reason for the observation. (3)
- 7) Define the terms protoplasm, cytoplasm and nucleoplasm. (3)
- 8) How is a bacterial cell different from an onion peel cell? (3)
- 9) Draw a plant cell and label the parts (5)
- 10) Draw a well labelled diagram of eukaryotic nucleus. How is it different from nucleoid? (5)