

CELL - A BASIC UNIT OF LIFE

WORKSHEET - 3

Class 9

1. What information do chromosomes contain?
2. What does DNA stands for?
3. What are genes?
4. What are prokaryotes?
5. What are cell organelles?
6. What function pores present on nuclear membrane perform?
7. Which cell organelle give rise to lysosome?
8. In which cell organelle chlorophyll pigment is found?
9. Name two cell organelle which have DNA apart from nucleus.
10. Name someone celled (unicellular) organisms.

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SOLUTION

1. **Ans. The chromosomes contain information for inheritance of features from present to next generation in the form of DNA.**
2. **Ans. DNA stands for Deoxyribo Nucleic Acid.**
3. **Ans. Genes are codes of information and constitute the functional segment of DNA.**
4. **Ans. The prokaryotes are organisms whose cells lack nuclear membrane.**
5. **Ans. Membrane bound little structures in the cytoplasm of the cells which have definite shapes and functions are called cell organelles.**
6. **Ans. These pores allow the transfer of material between the nucleoplasm and the cytoplasm.**
7. **Ans. Golgi bodies.**
8. **Ans. Chloroplast.**
9. **Ans. i) Chloroplast ii) Mitochondria.**
10. **Ans. Chlamydomonas, Amoeba.**

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