

Topic:- Binary Fission In Amoeba (Questions and Answers)**1. Why Binary fission is known as asexual reproduction?**

Answer:- In Asexual reproduction, a single parent produces new individuals.

2. How binary fission is different from multiple fission?

Answer:- In binary fission a parent cell/organism produces two daughter cells where as many daughter cells/organism are produced in multiple fission method.

3. Define Fission.

Answer:- Splitting of an individual on maturity is known as fission.

4. What is significance of reproduction?

Answer:-

- (i) It maintains continuity of race.
- (ii) It increases the chances of variation.

5. Are binary fission and budding are included under Asexual reproduction?

Answer:- Yes, Binary fission and budding involve single parent.

6. What do you mean by daughter cells?

Answer:- Newly produced individuals by unicellular organisms are called daughter cells.

7. Give an application of Asexual reproduction.

Answer:- Asexual reproduction is helpful in producing seedless plants.

8. Give two examples of organisms which reproduce by binary fission method.

Answer:-

- (i) Amoeba
- (ii) Euglena.

9. What precautions are required to observe the slides under microscope?

Answer:-

- (i) 1st – Focus the slide under low power then observe under high power.
- (ii) Adjust- Mirror and lens carefully.

10. What are various steps of binary fission method?

Answer:- Binary fission completed in two steps:-

- (i) Division in nucleus which is called karyokinesis
- (ii) Division in cytoplasm which is called cytokinesis.

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