

Q1. Assertion: DNA copying is necessary during reproduction.

Reason: DNA copying leads to transmission of characters from parents to offspring

A (a) Both A & R are true & R is correct explanation of A

Q2. Assertion: Amoeba reproduces by Binary fission
Reason: All unicellular organisms reproduce asexually

A (a) Both A & R are true & R is correct explanation of assertion. A

Q3. Assertion: Plasmodium reproduces by multiple fission.

Reason: Multiple fission is type of asexual reproduction

A (b) Both A & R are true but R is not correct explanation of A.

Q4. Which of following ^{do not} depend on reproduction?

Q5. Exchange genetic information?
A. (a) Bacteria

Q5. By which method, asexual reproduction occurs in Amoeba

A. (a) fission

Q6. By which method asexual reproduction occurs in Amoeba

A. (a) fission

7. Differentiate between mitosis & Meiosis

A. Mitosis

- Asexual reproduction
- Occurs in all organisms (except virus)
- Creates body cells.
- One cell division
- Daughter cells are identical
- No crossing over
- Produce two diploid daughter cells

Meiosis

- Sexual reproduction
- Occurs in animals, plants, & fungi
- Create sex cells
- Two cell divisions
- Daughter cells are genetically different
- Crossing over occurs in prophase
- Produce 4 haploid daughter cells