

Cell Division Stages

Biology · Answer Key · 10 Questions

1. What stage of cell division is primarily depicted?

- A) Prophase
- B) Metaphase
- C) Anaphase**
- D) Telophase

2. What are the structures being pulled towards the poles?

- A) Centrioles
- B) Chromosomes**
- C) Cohesin proteins
- D) Spindle fibers

3. What protein is mentioned in relation to chromosome movement?

- A) Histone
- B) Cohesin**
- C) Tubulin
- D) Actin

4. What is the general direction of chromosome movement?

- A) Equator to pole
- B) Pole to equator
- C) Pole to pole**
- D) Equator to equator

5. What is a key event happening to chromosomes during anaphase?

- A) Replication
- B) Splitting**
- C) Condensation
- D) Decondensation

6. What part of the cell are the chromosomes moving towards?

- A) Centromere
- B) Nucleus
- C) Poles**
- D) Cytoplasm

7. What term describes the separation of genetic material?

- A) Cytokinesis
- B) Replication
- C) Segregation**
- D) Transcription

8. What are the two main components being pulled apart during anaphase?

- A) Homologous chromosomes
- B) Sister chromatids**
- C) Centrioles
- D) Spindle poles

9. What are the ends of the cell that chromosomes move towards called?

- A) Centromeres
- B) Equators
- C) Poles**
- D) Nuclei

10. What is the structure that connects sister chromatids?

- A) Centriole
- B) Centromere
- C) Cohesin protein**
- D) Spindle fiber