Name _____

Mitosis and Meiosis: The Aging Dance of Cells

Multiple Choice Questions

1. What are mitosis and meiosis?

a) Types of dance forms

b) Processes of cell division

c) Stages of aging

d) Names of famous scientists

2. What happens during mitosis in youth?

a) Cells divide into two identical daughter cells.

b) Cells combine to form gametes.

c) Genetic mutations accumulate rapidly.

d) Cell division becomes less precise.

3. What is the main purpose of meiosis in youth?

a) To repair damaged cells

b) To ensure genetic diversity

c) To create identical offspring

d) To reduce the number of chromosomes

4. How does meiosis in old age differ from meiosis in youth?

a) It becomes more efficient.

b) The risk of genetic abnormalities decreases.

c) The risk of genetic abnormalities increases.

d) It no longer occurs in old age.

5. What is the significance of understanding aging cell division?

a) It allows us to reverse the aging process.

b) It informs healthcare practices and research.

c) It leads to more efficient cell repair.

d) It accelerates the aging process.