Meiosis

BIO

Name_____ Class_____ Date_____

1 Match the term with the correct definition.

☐ **meiosis I**	**A.** genetically different sex cells are formed
☐ **meiosis II**	**B.** homologous chromosomes find each other and move close together
☐ **synapsis**	**C.** homologous chromosomes are separated into different daughter cells and the chromosome number is reduced by half
☐ **mitosis**	

2 Match the term with the correct definition.

☐ **chromatin**	**A.** two identical copies of a chromosome
☐ **chromatids**	**B.** thread-like DNA in the nucleus of a cell
☐ **centromere**	**C.** a maternal and paternal chromosome that are the same length & have genes that code for the same characteristics
☐ **homologous chromosomes**	

3 How many **cell divisions** must occur for each sex cell to be created?

A 1
B 2

4 How many sex cells are produced from **meiosis**?

A 2
B 4

5

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A a zygote dividing by mitosis
B a zygote dividing by meiosis
C a gamete dividing by mitosis
D a gamete dividing by meiosis

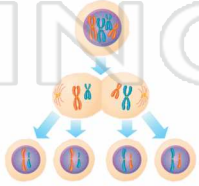
C spindle formation
D centromere replication

9 Compared to human cells resulting from **mitotic cell division**, human cells resulting from **meiotic cell division** would have

A twice as many chromosomes
B the same number of chromosomes
C one-half the number of chromosomes
D one-quarter as many chromosomes

10 A process that reduces the total number of chromosomes to **half** and forms the **sex cells** is called _____.

A mitosis
B meiosis
C replication
D reduction



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Meiosis - Answer Key

BIO

Name_____ Class_____ Date_____

1 Match the term with the correct definition.

- [C] **meiosis I**
- [A] **meiosis II**
- [B] **synapsis**
- [ ] **mitosis**

A. genetically different sex cells are formed
B. homologous chromosomes find each other and move close together
C. homologous chromosomes are separated into different daughter cells and the chromosome number is reduced by half

2 Match the term with the correct definition.

- [B] **chromatin**
- [A] **chromatids**
- [ ] **centromere**
- [C] **homologous chromosomes**

A. two identical copies of a chromosome
B. thread-like DNA in the nucleus of a cell
C. a maternal and paternal chromosome that are the same length & have genes that code for the same characteristics

3 How many **cell divisions** must occur for each sex cell to be created?

A 1
B 2

B

4 How many sex cells are produced from **meiosis**?

A 2
B 4

B

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D

7

B

A a zygote dividing by mitosis
B a zygote dividing by meiosis
C a gamete dividing by mitosis
D a gamete dividing by meiosis

C spindle formation
D centromere replication

9 Compared to human cells resulting from **mitotic cell division**, human cells resulting from **meiotic cell division** would have

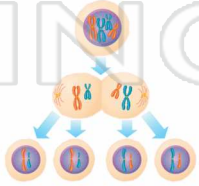
C

A twice as many chromosomes
B the same number of chromosomes
C one-half the number of chromosomes
D one-quarter as many chromosomes

10 A process that reduces the total number of chromosomes to **half** and forms the **sex cells** is called _____.

B

A mitosis
B meiosis
C replication
D reduction



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