CELL DIVISION
Are you ready?

1. Yes
2. No
How many chromosomes are in a somatic human cell?

1. 23
2. 46
3. 92
4. A trillion
When is DNA copied during meiosis?

1. Before meiosis I
2. After meiosis I
3. After meiosis II
4. After both meiosis I and meiosis II
Chromosomes first become visible during ____________.

1. Interphase
2. Prophase
3. Telophase
4. Cytokinesis
Spermatogenesis results in ______ sperm cells.

1. 1
2. 2
3. 4
4. 8
During which phase does replication of DNA occur?

1. Mitosis
2. Interphase
3. Cytokinesis
4. Meiosis
In which stage of meiosis does crossing over occur

1. Telophase I
2. Metaphase II
3. Prophase I
4. Anaphase II
What is divided during cytokinesis?

1. Nucleus
2. Chromosomes
3. Cytoplasm
4. DNA
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What is the name of the structure that holds sister chromatids together?

1. Centrioles
2. Chromosome
3. Karyotype
4. Centromere
A picture of an individual’s chromosomes is called a ____________.

1. Chromosome map
2. Synapsis
3. Binary Fission
4. Karyotype
Mitosis produces ______ daughter cell(s)

1. 1
2. 2
3. 4
4. 8
Mitosis produces __________ daughter cells

1. Haploid
2. Diploid
## Participant Scores

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Synapsis is the formation of

___________.

1. Centrioles
2. Spindle fibers
3. Tetrads
4. Nucleus
If an egg has 8 chromosomes, how many chromosomes did the parent cell.

1. 32
2. 16
3. 8
4. 4
The picture represents a cell in which stage of meiosis?

1. Prophase I
2. Metaphase II
3. Anaphase II
4. Telophase I
The picture represents a cell in which stage of meiosis?

1. Prophase II
2. Metaphase II
3. Anaphase II
4. Telophase I
The picture represents a cell in which stage of mitosis?

1. Prophase I
2. Metaphase II
3. Anaphase I
4. Telophase II
DNA is spread out during interphase and is known as _________.

1. Chromosomes
2. Chromatin
3. Chromatid
The parent cell and daughter cells during meiosis are ________.

1. Genetically different
2. Similar
3. Identical
Which stage of meiosis is shown below?

1. Prophase I
2. Prophase II
3. Telophase I
4. Telophase II
Which stage of meiosis is shown below?

1. Prophase I
2. Telophase II
3. Anaphase I
4. Anaphase II
The following image represents a cell during _______.

1. Mitosis
2. Meiosis I
3. Meiosis II
Is the image below is a karyotype of a ____?

1. Male
2. Female
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