



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Chromatids

Anaphase I

Crossing-over

Anaphase II

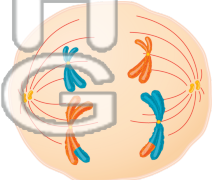
DNA

Chromosome

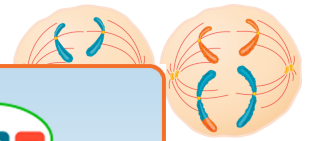
Centromere

Fertilization

1. _____ - a phase of meiosis I during which homologous pairs of chromosomes move to opposite sides of the cell



2. _____ - a phase of meiosis II during which the centromere splits and chromatids move to opposite sides of the cell



3. _____ are held

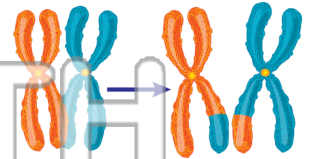


4. _____

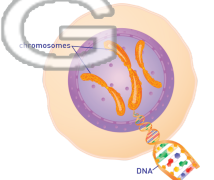
5. _____ cell's nuc

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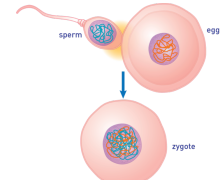
6. _____ - the exchange of DNA segments between homologous chromosomes; occurs in prophase I of meiosis



7. _____ - deoxyribonucleic acid; genetic material within the nucleus



8. _____ - the joining of an egg and sperm to form a zygote that develops into a new organism





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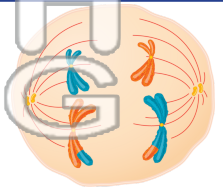
DNA

Chromosome

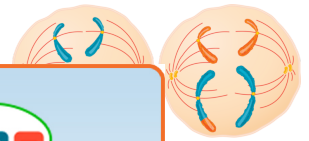
Centromere

Fertilization

1. **anaphase I** - a phase of meiosis I during which homologous pairs of chromosomes move to opposite sides of the cell



2. **anaphase II** - a phase of meiosis II during which the centromere splits and chromatids move to opposite sides of the cell



3. **centromere** - the part of a chromosome where the two sister chromatids are held together

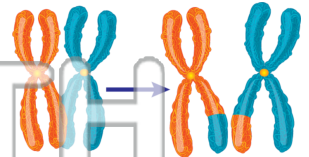


4. **chromatids** - the two identical copies of a chromosome that are joined together at the centromere

5. **chromosome** - a structure made of DNA and proteins that carries genetic information; found in the cell's nucleus

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6. **crossing-over** - the exchange of DNA segments between homologous chromosomes; occurs in prophase I of meiosis



7. **DNA** - deoxyribonucleic acid; genetic material within the nucleus



8. **fertilization** - the joining of an egg and sperm to form a zygote that develops into a new organism

