

DNA Structure/Replication/Meiosis Vocabulary Probe

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| 1 ____ meiosis | a. is produced when sperm and egg join |
| 2 ____ haploid | b. DNA is made of many of these subunits (monomers) |
| 3 ____ diploid | c. a process that produces gametes (reproductive cells) |
| 4 ____ nucleotides | d. a reproductive cell that has half the chromosomes of the parent cell |
| 5 ____ zygote | e. a cell with two full sets of chromosomes |
| 6 ____ fertilization | f. a source of variation that happens when pieces of homologous chromosomes are exchanged during Prophase I |
| 7 ____ crossing over | g. happens when sperm and egg join |
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| 8 ____ replication | h. the sugar component of DNA |
| 9 ____ deoxyribose | i. many different gene combinations in a population |
| 10 ____ tetrad | j. an enzyme that bonds free nucleotides in replication |
| 11 ____ genetic variation | k. an enzyme that splits (unzips) the DNA strand |
| 12 ____ complementary | l. a process that creates a copy of DNA |
| 13 ____ DNA helicase | m. four chromosomes (two pairs of homologous chromosomes) |
| 14 ____ DNA polymerase | n. when two specific nitrogen bases bond together |
| 15 ____ Random alignment | o. how tetrads arrange themselves side by side in Metaphase I |
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