Science 9 Biology Vocab

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| **Across**  **1.** One organism "duplicates" itself to create offspring  **4.** Something that pinches chromosomes together  **5.** Resting stage between Mitosis and Meiosis  **10.** Functioning parts of a cell  **14.** Large variation in genes and DNA in a species  **18.** Your parents gave these to you  **19.** The process of a cell dividing  **21.** The first stage of meiosis  **22.** Little particles commonly produced by fungi  **24.** An organism loses a piece of itself, then the piece grows into a new organism  **26.** The product of Meiosis II  **27.** Tiny organisms in a human body  **29.** Something that controls the cell's functions  **30.** A stage where the chromosomes line up in the middle  **32.** You have "\_\_\_\_\_\_\_\_\_\_" pairs of chromosomes  **33.** Two full sets of chromosomes from each parent  **34.** The "commencement" of the birth of a new organism | **Down**  **2.** The 23 pairs of "\_\_\_\_" that determine your karyotype  **3.** The material chromosomes and organelles are made of  **6.** The way plants reproduce  **7.** An anomaly in the genetic "makeup" of an organism  **8.** Two parent organisms reproduce  **9.** The duplicate of something  **11.** Something that contains the centrioles  **12.** The process of daughter cells being created  **13.** A cell spends 90% of the time in this stage  **15.** The genetic structure that makes you  **16.** The stage at which the cell is duplicated  **17.** The cell pinches in the middle  **20.** The production cycle of gametes  **23.** "Sister"  **25.** A model that shows your chromosome pairs  **28.** 23 is the "\_\_\_\_\_\_\_" number of chromosome pairs in a human body  **31.** A small version of the parent grows then falls of to be a new organism |

   Cells       Organelle       Nucleus       Chromosomes       Chromatids       Genes       Centromere       Cytokinesis       Clone       Genetic Diversity       Metaphase       Mutation       Budding       Telophase       Asexual Reproduction       Sexual Reproduction       Homologous       Haploid       Fertilization       Centrosome       DNA       Interphase       Gamete       Binary Fission       Prophase       Interkinesis       Spores       Chromatin       Karyotype       Fragmentation       Mitosis       Meiosis       Diploid       Vegetative Reproduction