Name:

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|  | My Definition | Doodle |
| Gene - small hereditary units of DNA |  |  |
| Chromosome - large structure that DNA is organized into |  |  |
| Chromatin - is made up of DNA and proteins |  |  |
| Histones - molecular chaperon involved in the first level of DNA packaging |  |  |
| nucleosome - structure made up of a histone core and the DNA around it |  |  |
| chromatid - two thick identical strands of DNA connected by a centromere |  |  |
| centromere - region of a chromatid that holds both strands together |  |  |
| cell cycle - repeating sequence of cellular growth and division during the life of a cell |  |  |
| interphase - the first three phases of the cell cycle (G1, S, G2) |  |  |
| mitosis - division of the nucleus |  |  |
| cytokinesis - separating of the cytoplasm and organelles |  |  |
| spindle fiber - special structure made of spindles that forms outside of the nucleus and attaches the chromatids to the centriole |  |  |
| centrosome - organelle that helps assemble the spindle where the spindle fibers are formed. |  |  |
| cancer - group of severe and sometimes fatal diseases that are caused by uncontrolled cell growth |  |  |
| tumor - mass formed by reproduction of cancer cells |  |  |