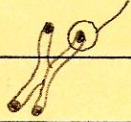


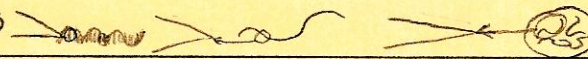
Bio

Vocab

10-16-12

- > Gamete: sex cells; sperm & egg (have only 1 copy of genetic material)
- > Somatic cells: all other bio cells (have 2 copies of genetic material)
- > Chromosome: collection of DNA upon which 23-25K genes are attached
 - chromatids: visible, compact chromosomes during mitosis
- > Telomeres: repetition of codes (TTAAGGG, etc.) on the end of a chromosome;
 protective cap on chromosome that shortens as cells divide, eventually allowing the cell to die
- > Genome: complete set of DNA
- > Gene: specific DNA sequence

Gene ← Chromosome ← Genome

Proteins 

- > Alleles: Alternate versions of a gene, that code for the same trait.
- > Genotype: all genes in an organism; genetic code
- > Phenotype: physical manifestation of the instructions (e.g. eye color, hair, etc.); expressed DNA; end result