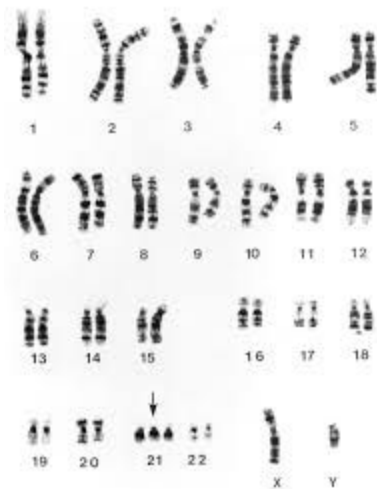


Chromosomes

- are made up of DNA.
- are DNA wrapped around balls of protein called histones.
- Humans have 46 _____
- Humans have 23 pairs of chromosomes in every **Somatic** cell
- A somatic cell is _____
- Somatic cells are _____.
- _____ have a full set of _____
- Sex cells or _____ or _____
and _____.
- Sex cells are _____ which means they contain _____
the number of chromosomes.
- An egg cell has _____ as does a sperm cell.
- 1 egg cell or _____ plus 1 sperm cell = _____.



Down's Syndrome

Chromosomes Questions

- 1) Dogs have 78 chromosomes in their diploid cells. How many chromosomes are in their haploid cells?
- 2) How many pairs of chromosomes do dogs have in their somatic cells?
- 3) Cats have 38 chromosomes in their diploid cells. How many chromosomes are in their haploid cells?
- 4) Horses have 32 chromosomes in their sex cells. How many chromosomes are in their somatic cells?
- 5) How many chromosome pairs do horses have in their somatic cells?
- 6) Wheat has 42 chromosomes in its diploid cell. How many chromosomes are in the haploid cells?
- 7) What is a karyotype
- 8) Identify the following karyotype as male or female.

