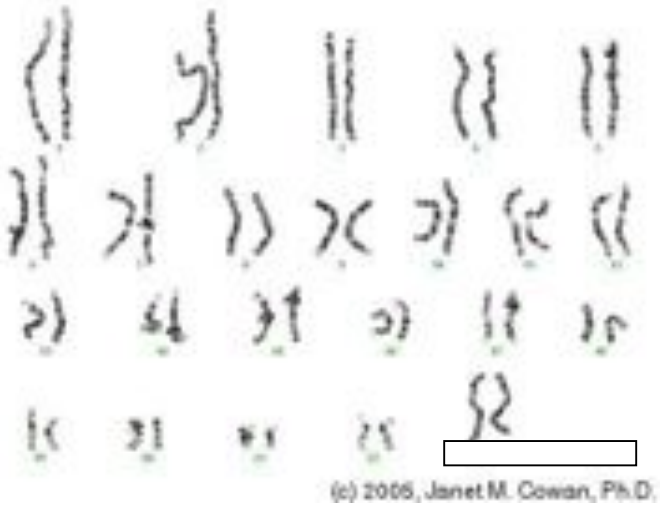
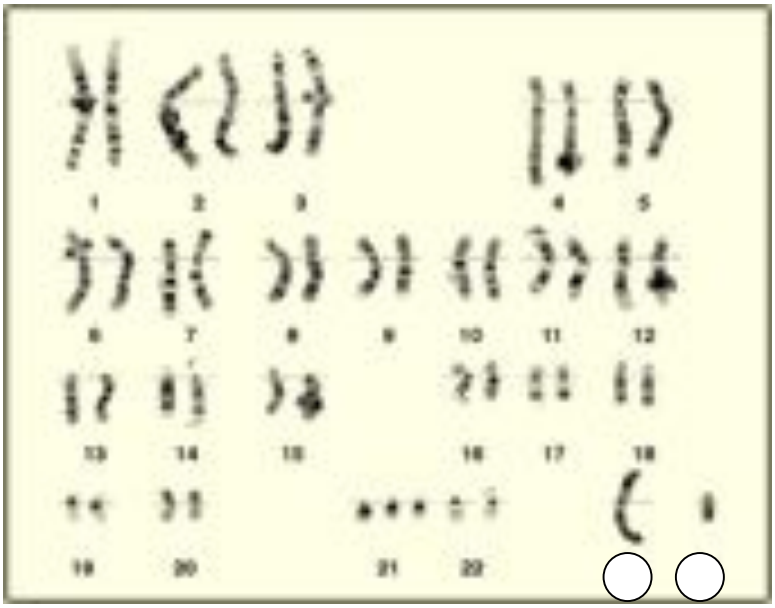
KARYOTYPING Page 1 of 2 **Name**_____

Or Cytogenetics (cyto =_____) **Period**_____

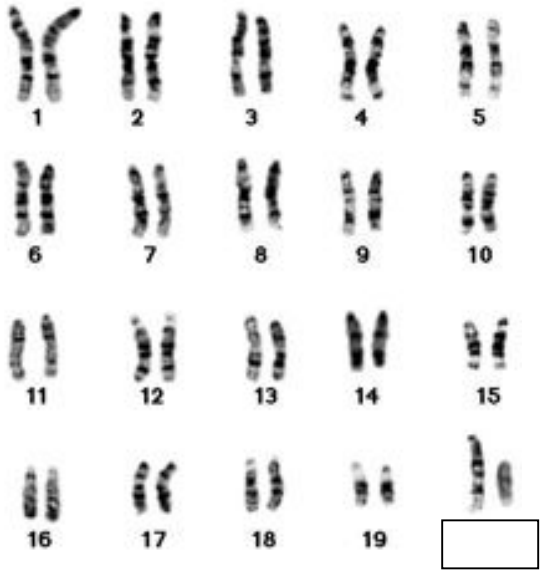
Study the following Karyotypes. Write the notations and answer the questions:



1) **Circle any abnormal chromosomes. Label the sex chromosomes.**
2) **Write the NOTATION for the above:** _____, _____, _____
   Notation = (Number of chromosomes, Sex Chromosomes, + or - any missing or extra)
3) **Circle the best three answers for this Karyotype. Write about the evidence.**
   a) Human or Other Organism? Because_____
   b) Male or Female? Because?_____ c) Normal or Abnormal? Because_____



4) **Circle any abnormal chromosomes. Label the sex chromosomes.**
5) **Write the NOTATION:** _____, _____, _____
   Notation = (Number of chromosomes, Sex Chromosomes, + or - any missing or extra)
6) **Circle the best three answers for this Karyotype. Write your evidence.**
   a) Human or Other Organism? Because_____
   b) Male or Female? Because?_____ c) Normal or Abnormal? Because_____
   Which would be _____



7) Circle any abnormal chromosomes. Label the sex chromosomes.

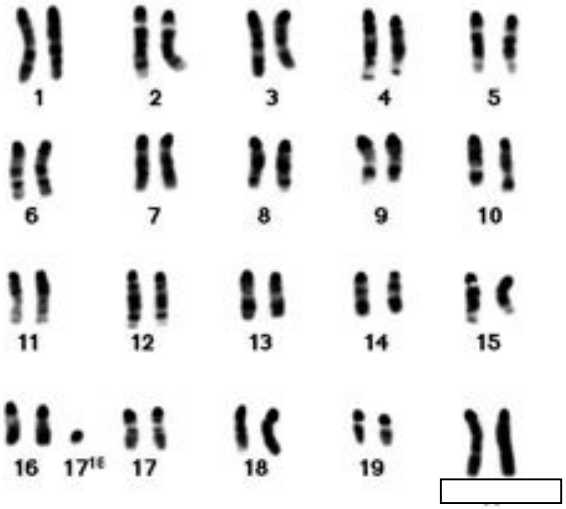
8) Write the NOTATION for the above: _____, _____, _____

Notation = (Number of chromosomes, Sex Chromosomes, + or - any missing or extra)

9) Circle the best three answers for this Karyotype. Write your evidence.

a) Human or Other Organism? Because_____

b) Male or Female? Because?_____c) Normal or Abnormal? Because_____



10) Circle any abnormal chromosomes. Label the sex chromosomes.

11) Write the NOTATION for the above: _____, _____, _____

Notation = (Number of chromosomes, Sex Chromosomes, + or - any missing or extra)

12) Circle the best three answers for this Karyotype. Write your evidence.

a) Human or Other Organism? Because_____

b) Male or Female? Because?_____c) Normal or Abnormal? Because_____

Note: This condition, "Ts65Dn Trisomy", is caused in mice to study the trisomy 21 and Down's Syndrome in humans.