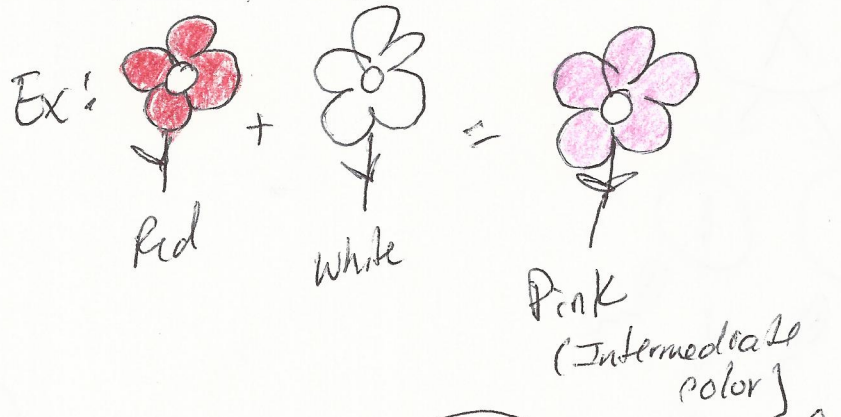
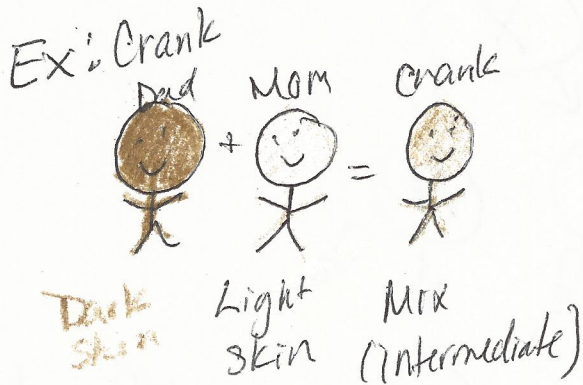
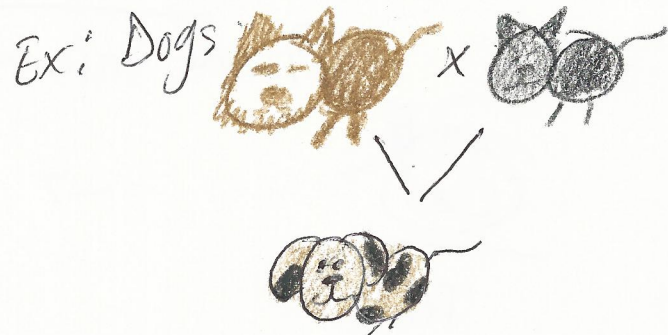
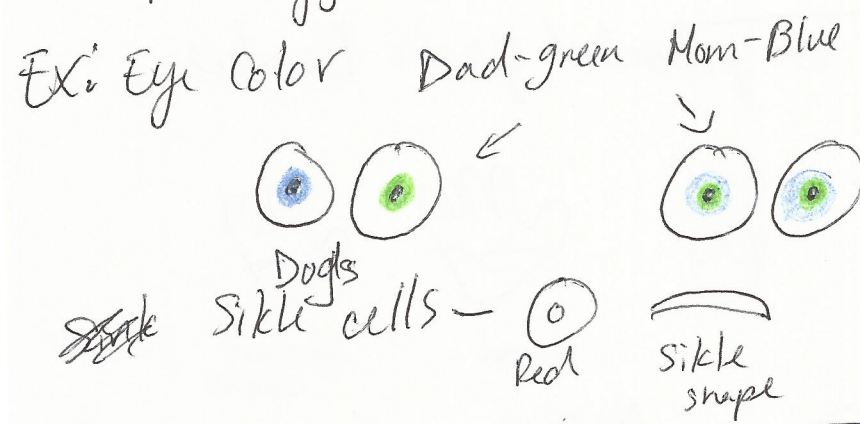


Incomplete Dominance
 (Mix) Intermediate phenotype of homozygous or heterozygous genotypes. Express both Dominant and Recessive traits Mixed together.



Co Dominance - 2

Both dominant and Recessive traits are expressed Heterozygous individual expresses Both traits separately.



Epistasis (X-linked Trait)

Female

- XX - normal
- X^cX - carrier
- X^cX^c - Color Blind

Epistasis - One allele covers the trait or expression of other allele

Male XY - Normal

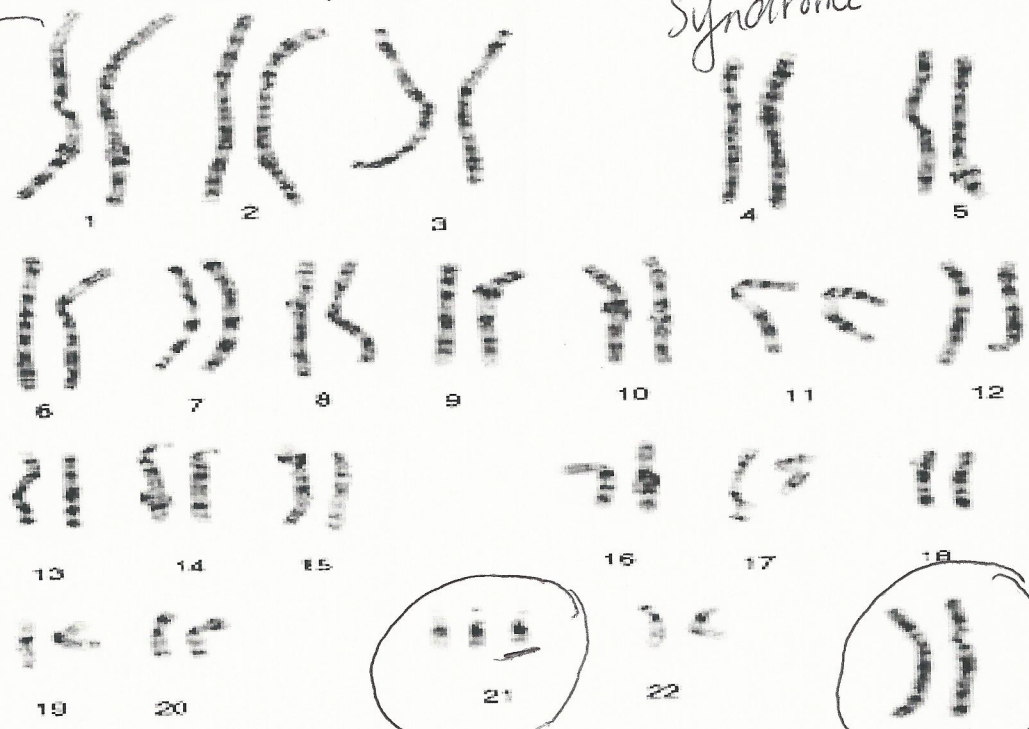
X^cY - color Blind

Disadvantage

~~Female with Down Syndrome~~

Female with Down Syndrome

1-22
Autosomes

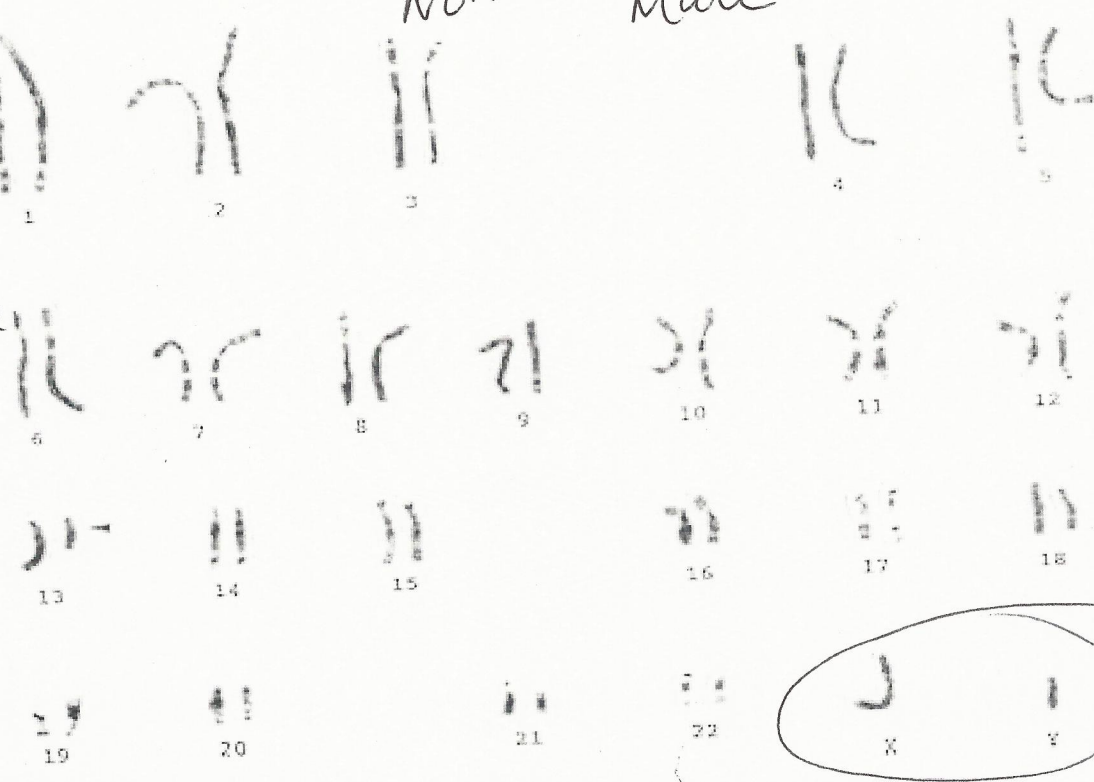


Down Syndrome

Female

Normal Male

1-22
Autosome

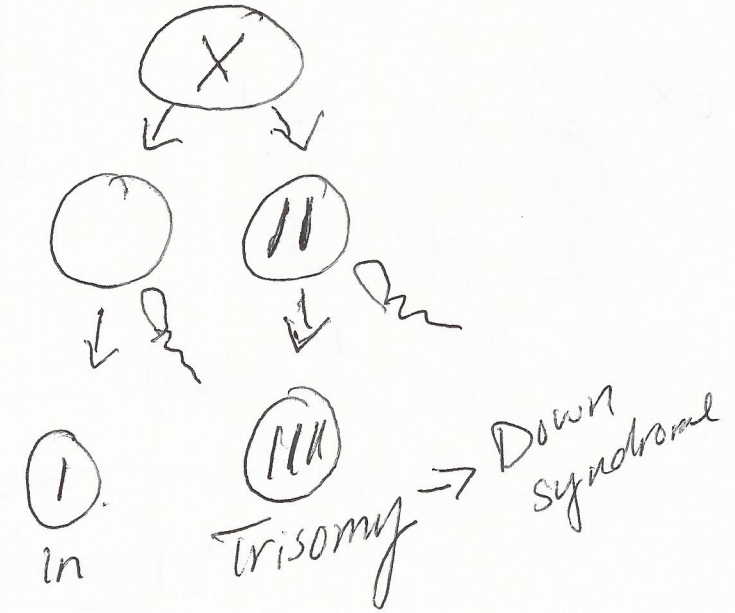
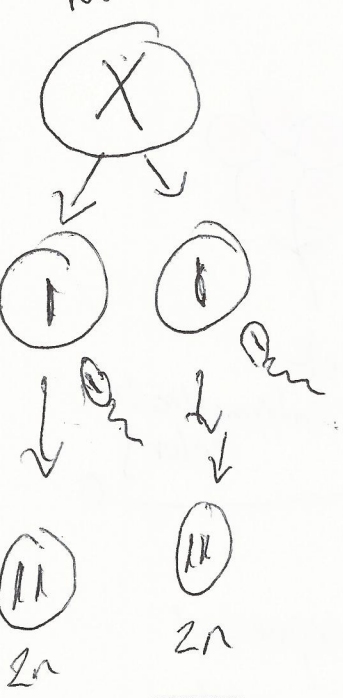


male
23 - sex chromosome

~~Female with Down Syndrome~~

Non-Disjunction

Normal Sister chromatids fail to separate properly.



Fetal Testing

Provide information on potential genetic disorders.



→



Normal

Semicircular crease

No Down syndrome

Do have Down Syndrome

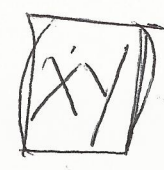
Dosage Compensation

X-chromosome: carry's estrogen + Testosterone Male + Female genes

Y-chromosome: carry's only male genes

XX

XY



one gene will be turned off to make up for the sex of the person

"skin Deep"

-flout episode