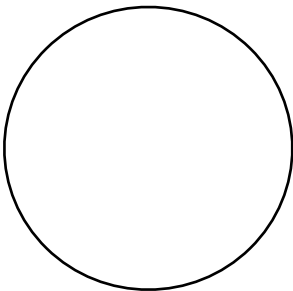
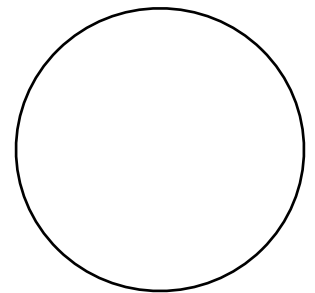


Chromosomes

- Chromosomes contain our genetic material and are our _____ for making ourselves.
- Chromosomes contain our _____ (deoxyribonucleic acid).
- Each of our chromosome contains different _____ information about us.
- You receive one chromosome from your _____ and one from your _____.
Therefore you have _____ sets of information for each trait.

Chromosome Vocabulary

_____ : _____ genetic
material present in the nucleus during _____.

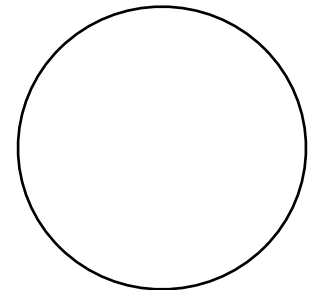


_____ : _____ form of genetic material

You have _____ chromosomes

_____ : _____ that makes up a
chromosome (not a homologous chromosome)

Sister chromatids are _____



Mistakes in Meiosis

MISTAKES IN SEPARATION:

Aneuploidy:

- Error during _____.
- Separation of _____ doesn't take place properly resulting in cells have too _____ or too _____ chromosomes.
- Caused by: _____
 - Failure of _____ chromosomes to separate in meiosis ____
 - Failure of _____ to separate in meiosis ____

Types of aneuploidy:

a) _____:

- Sex cell missing _____ chromosome (in place of a homologous pair)
- Example: _____

b) _____:

- Condition where there are _____ chromosomes than required (in place of a _____ pair)
- Example: _____

c) _____:

- _____ of _____ of the chromosomes in a _____ that unites with a _____ gamete to produce 3 sets of _____ (_____)

MISTAKES IN CROSSING OVER:

- Pieces of _____ information are _____ but do not _____ properly

Examples of mistakes in crossing over:

a) _____:

- When exchanged information _____ reattach to the chromosome

- Example: _____

b) _____:

- Segment of DNA _____ to chromosome but in the _____

c) _____:

- The exchanged information is _____ on the chromosome

- Example: _____

d) _____:

- Movement of _____ from one chromosome to a _____ chromosome