

hey

Vocabulary sheet

Transcription Factor:

A DNA binding protein that can control gene activity/expression

Biparental inheritance:

Inheriting 1 chromosome from each parent

Homologous Chromosomes:

Identical length, locus, and centromere
will have genes for same trait

Interphase:

No visible chromosomes
DNA synthesis

Spermatogenesis and oogenesis:

↳ male gametes } female gametes produced
made in testes } in ovaries

Conceptus:

Embryo/fetus + placenta + extraembryonic
membranes

Totipotent: undifferentiated cells that can become anything

Phenotypic dimorphism:

When males and females of the same species display different traits

Differentiation:

When unspecialized cells develop into functional cells with a common function (endoderm, mesoderm, and ectoderm)

Nondisjunction:

When paired homologs fail to separate in meiosis I or II (monosomy + trisomy)

Haploinsufficiency:

The recessive gene is incompatible with life

Syntenic regions:

chromosomal regions in different species that are similar to other species

Endopolyploidy:

When only specific cells in an organism are polyploid (cancer)