

Review of Diploid and Haploid:

Haploid - one set of chromosomes.

- Example: gametes (egg or sperm)
- $n$  because only ONE copy of chromosome.

Diploid - two sets of chromosomes.

- Example: zygote (egg + sperm)
- $2n$  because TWO sets of chromosomes.



Alternation of Generation - a life cycle that involves both diploid and haploid stages.

In HUMANS: Grandma  $2n$  → Mom  $2n$  → Daughter  $2n$

In PLANTS: "Grandma"  $2n$  → "Mom"  $n$  → "Daughter"  $2n$