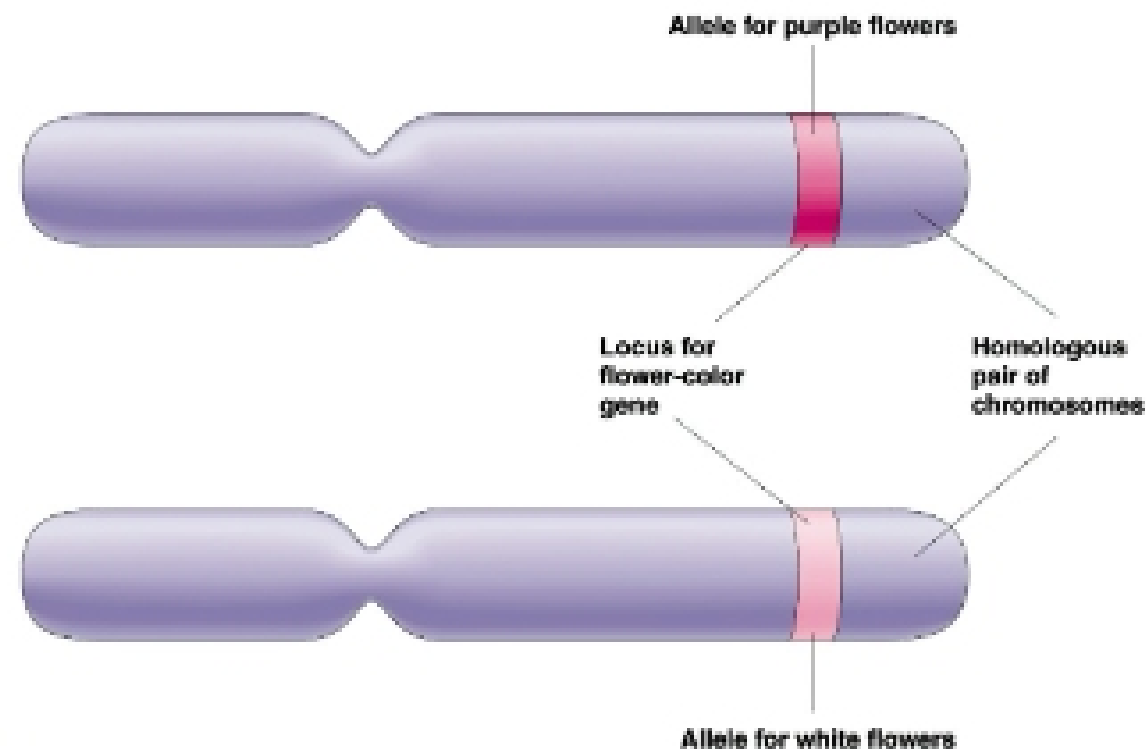


Cell Division & Fruit Flies I

Review of Genetics

- What is the difference between a gene and an allele?
- A **gene** is sequence of DNA on a chromosome that determines a certain trait (e.g., flower color).
- A gene for a specific trait can come in variations called **alleles** resulting in differences for that trait (e.g., purple and white flower).



Review of Genetics

- What is the difference between phenotype and genotype?
- **Genotype** - combination of alleles that an individual possess for a specific gene.
- **Phenotype** – an individual's observable characteristics or traits.
- Phenotype is dependent on genotype

