

Ch 4.2 Mendelian Genetics

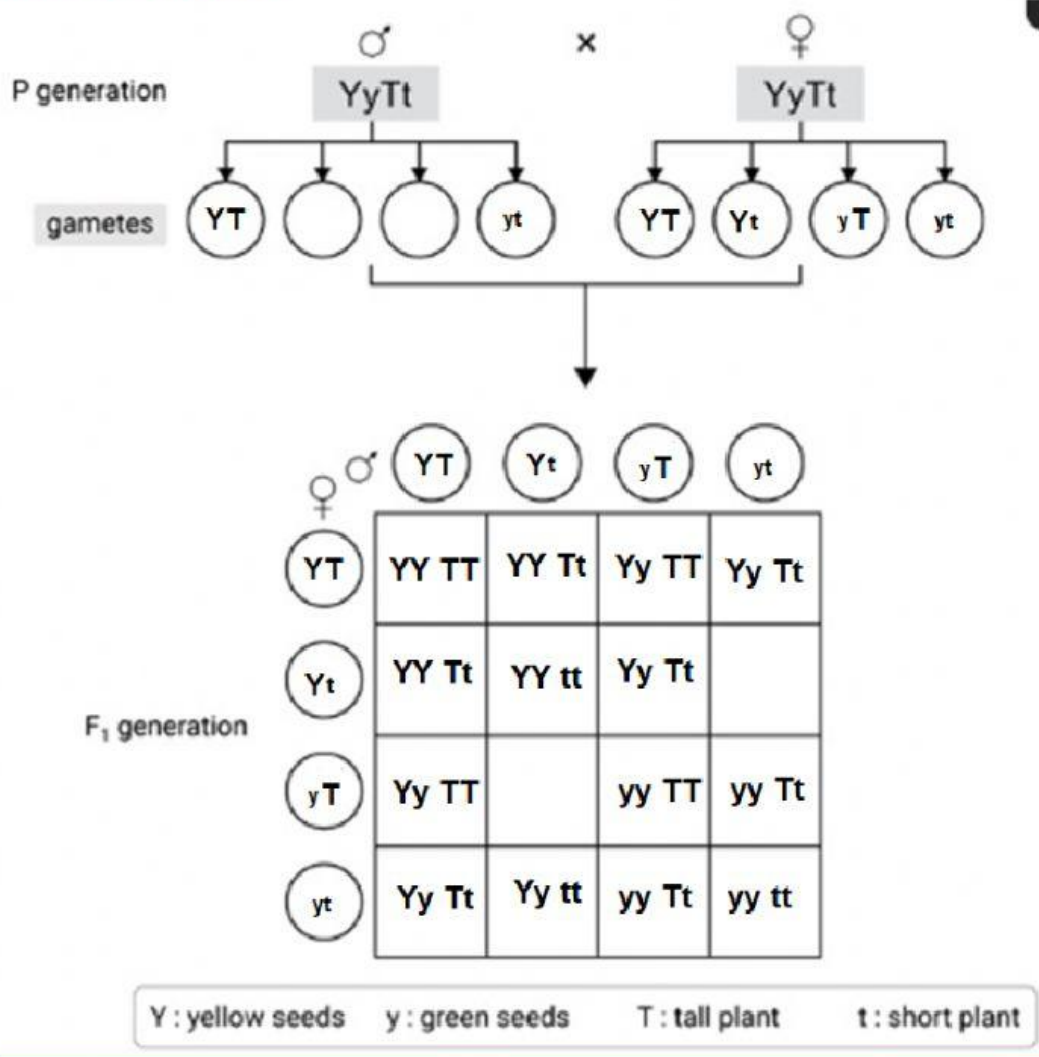
Monohybrid and Dihybrid cross

HELP VIDEO

For support:

Refer to Alef lesson 56 / Watch the video →

Q1. Complete the Punnett square for a dihybrid cross between Heterozygous Yellow and Tall parents.



Q2. What is the probability of having an offspring with Yellow seeds and Tall trait?

a. $\frac{1}{16}$

b. $\frac{3}{16}$

c. $\frac{9}{16}$

d. 0

Q3. What is the probability of having an offspring with genotype YyTt?

a. 0	b. $\frac{3}{16}$	c. $\frac{9}{16}$	d. $\frac{4}{16}$
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Q4. Select the correct phenotypic ratio.

- a. 1:1:1:1 yellow tall to yellow short to green tall to green short
- b. 3:2 yellow tall to green short
- c. 9:3:3:1 yellow tall to yellow short to green tall to green short
- d. All yellow tall