Patterns of Inheritance

Ch. 11.2

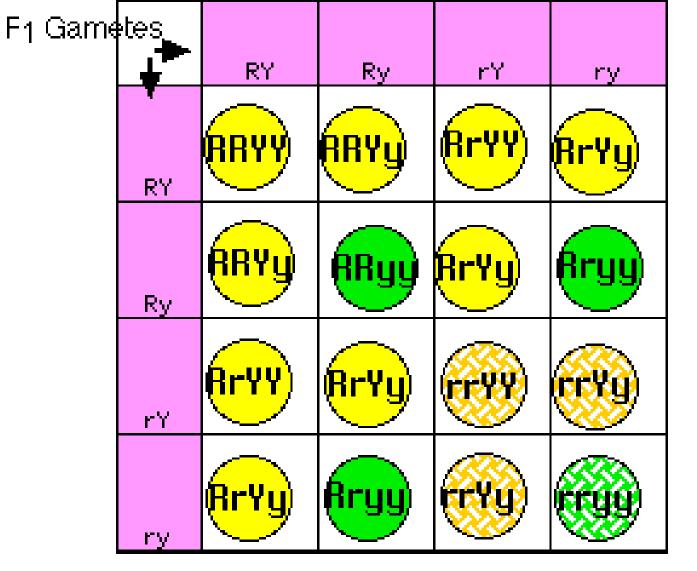
A. Dihybrid cross

1. 2 traits

2. WwRr x WwRr

3. WR, Wr, wR, wr

4. Phenotypic ratio



Results

round-yellow : round-green : wrinkled-yellow : wrinkled-green

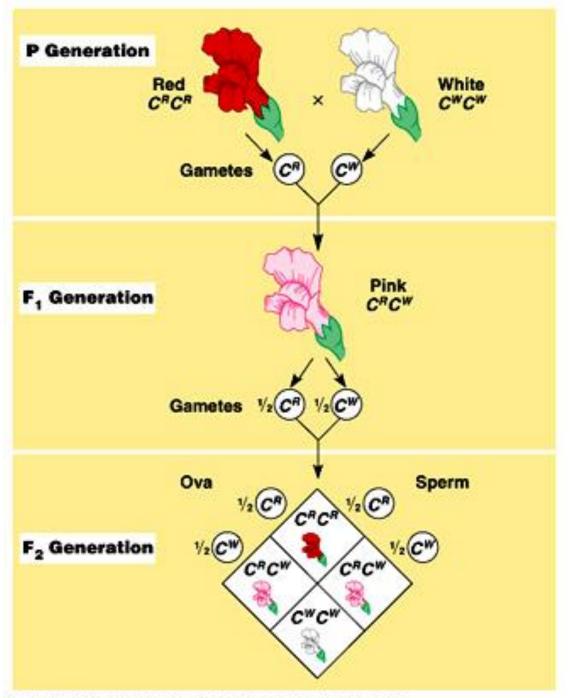
9:3:3:1

B. Heredity influences

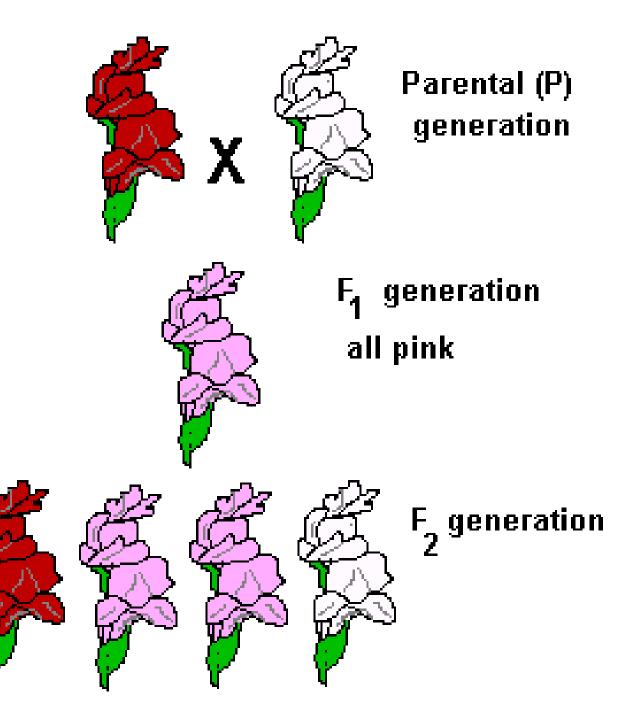
1. Incomplete dominance

a. Definition

b. Example



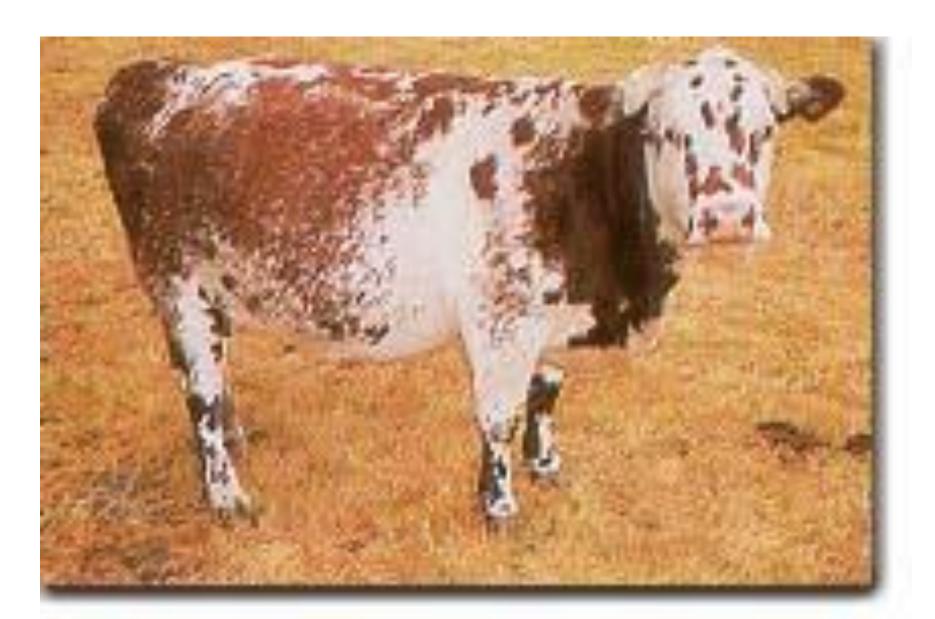
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2. Co-dominance

a. Definition

b. Example



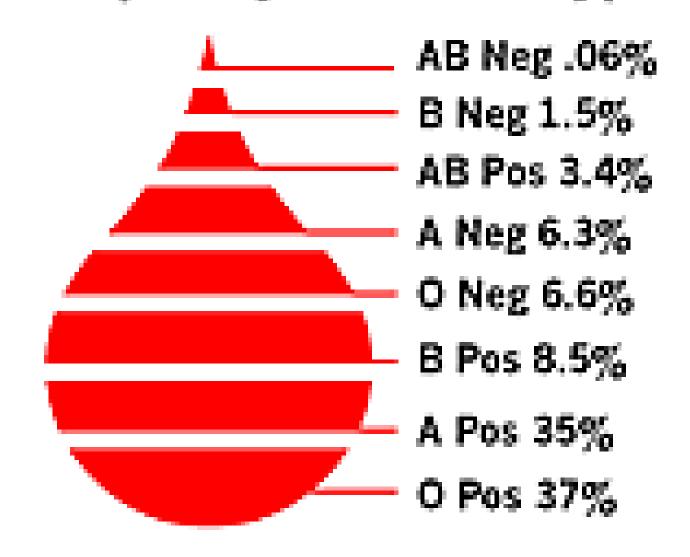
3. Multiple alleles

a. Definition

b. Example

Phenotype (blood type)	Genotype	Antibodies in serum
Α	A A or A O	Anti-B
В	B B or B O	Anti-A
AB	AB	None
0	00	Anti-B ^{and} Anti-A

Frequency of Blood Types

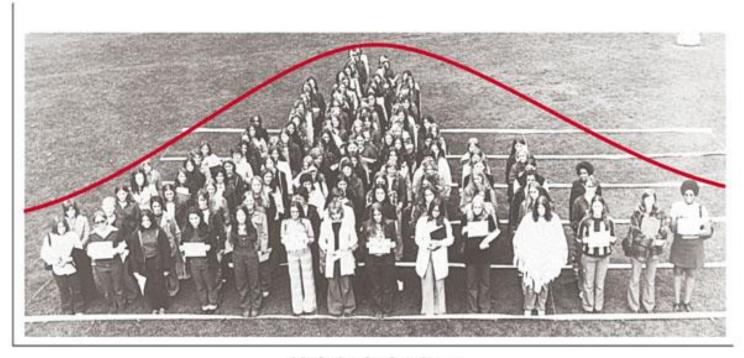


4. Polygenic

a. Definition

b. Example

5. Environmental control



Height in inches

