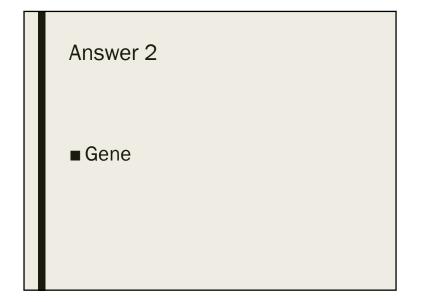


Gregor Mendel

Question 2

What part of DNA directs a cell to make a certain protein?







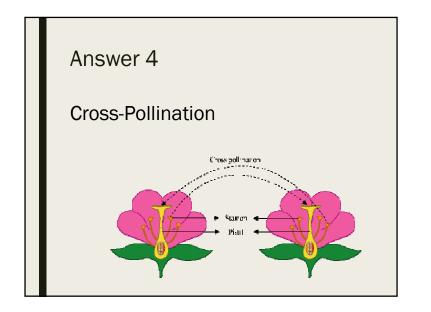
What was Mendel trying to figure out in his experiments using pea plants?

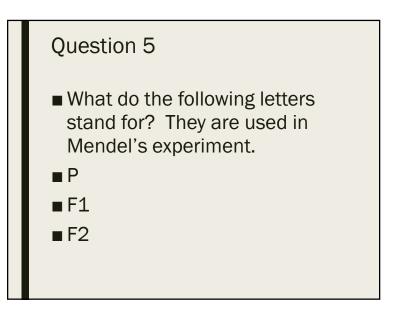
Answer 3

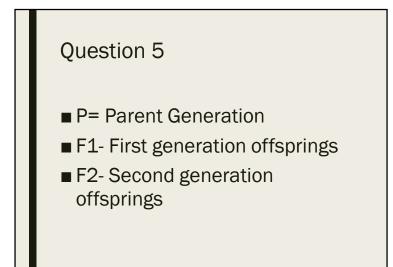
The inheritance of traits

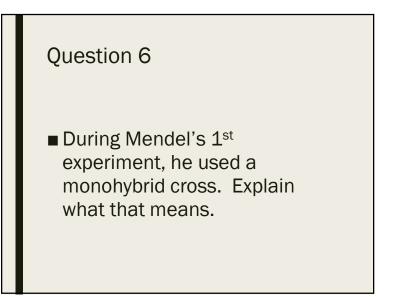
Question 4

During Mendel's 1st Experiment, he used 2 purebred parents. Pollen from one plant is used to fertilize another plant, this type of fertilization is called_____?





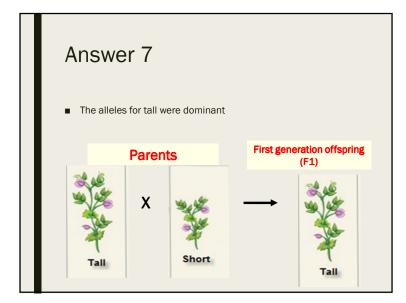


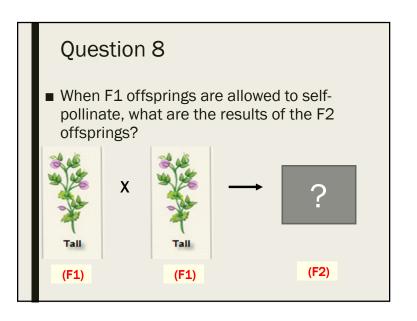


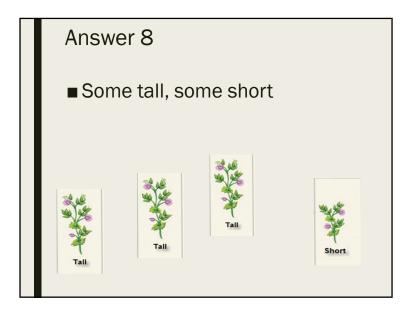
Crossing one trait at a time

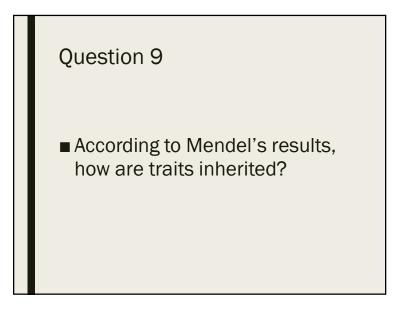
Question 7

In Mendel's 1st Experiment, what did all the offsprings look like?

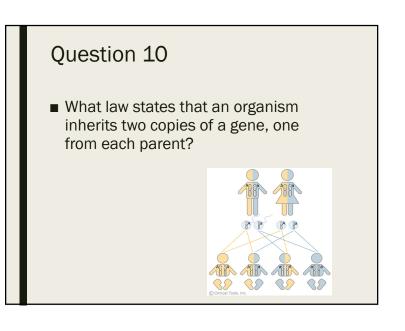


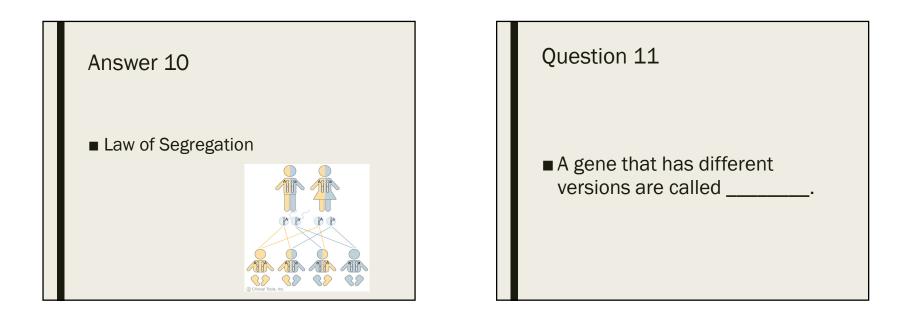


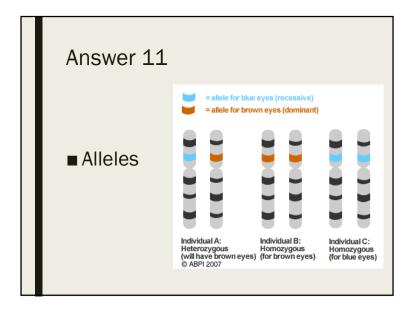


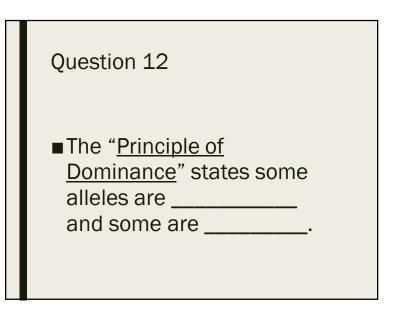


 Traits are inherited from parents to offsprings

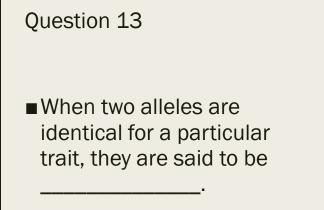








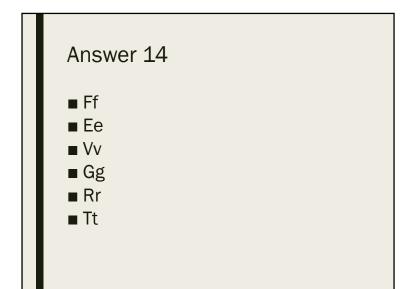
Dominant, recessive

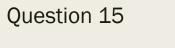


Answer 13

Homozygous

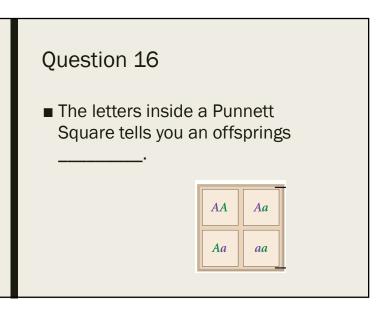
Question 14			
List all the heterozygous alleles from the list below.			
DD	Ff	BB	сс
Ee	QQ	Vv	Gg
gg	Rr	AA	Tt

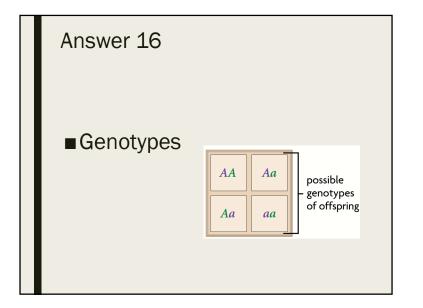


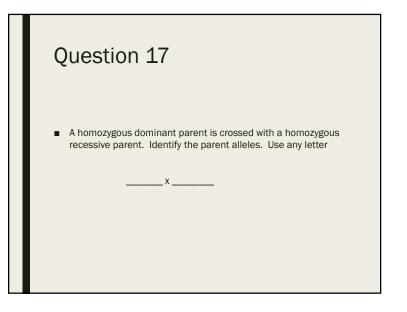


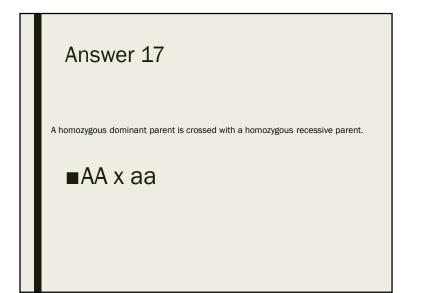
- A. The physical appearance of a trait is a _____.
 1. Provide an example
- B. The genetic makeup of a trait is a
 - 1. Provide an example

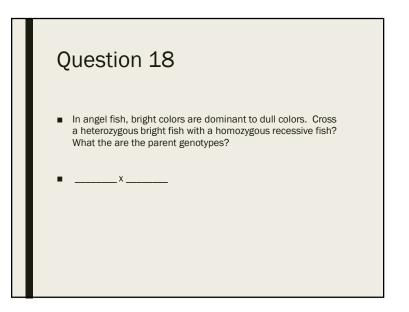
- A. Phenotype 1. Ex: blond hair, green eyes
- B. Genotype 1. Ex: Bb, AA





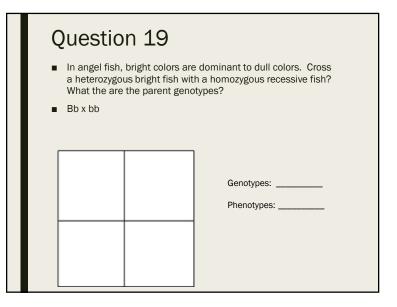


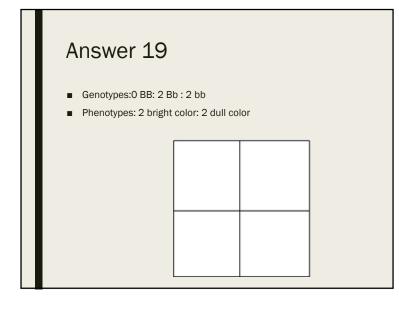


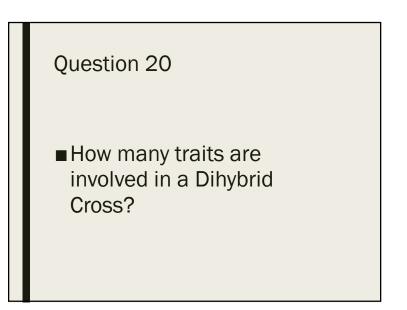


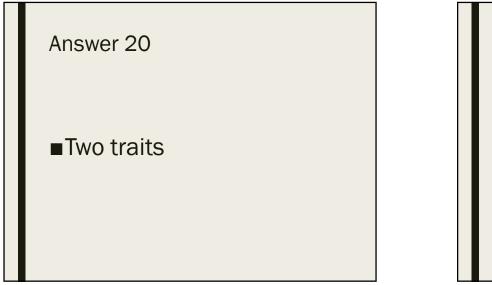
In angel fish, bright colors are dominant to dull colors. Cross a heterozygous bright fish with a homozygous recessive fish? What the are the parent genotypes?

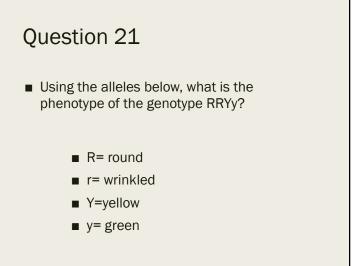
Bb x bb

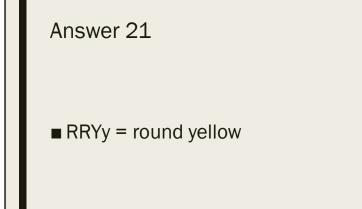


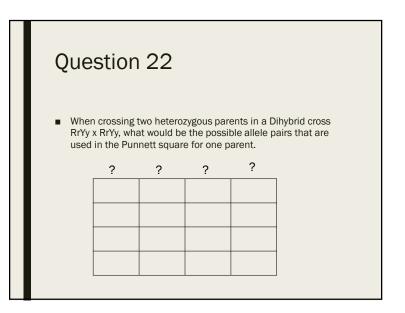


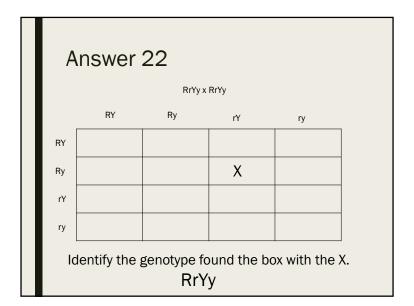


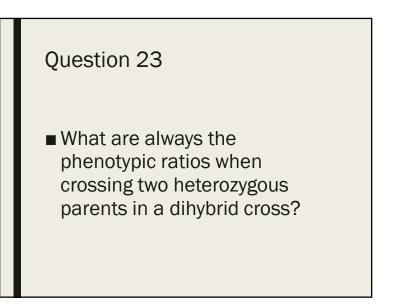


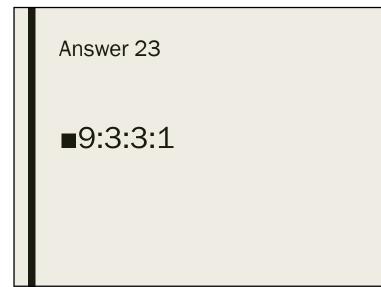














What law states that the inheritance of one gene doesn't influence the inheritance of another gene?

The Law of Independent Assortment Question 25

Mendel's principles apply to what types of organisms?

Answer 25

 All organisms that reproduces sexually..
 Plants/Animals Question 26

Give one reason why Mendel chose to use plants instead of animals for his research?

- Reproduce faster
- More specimens
- Less management
- More traits to manipulate