

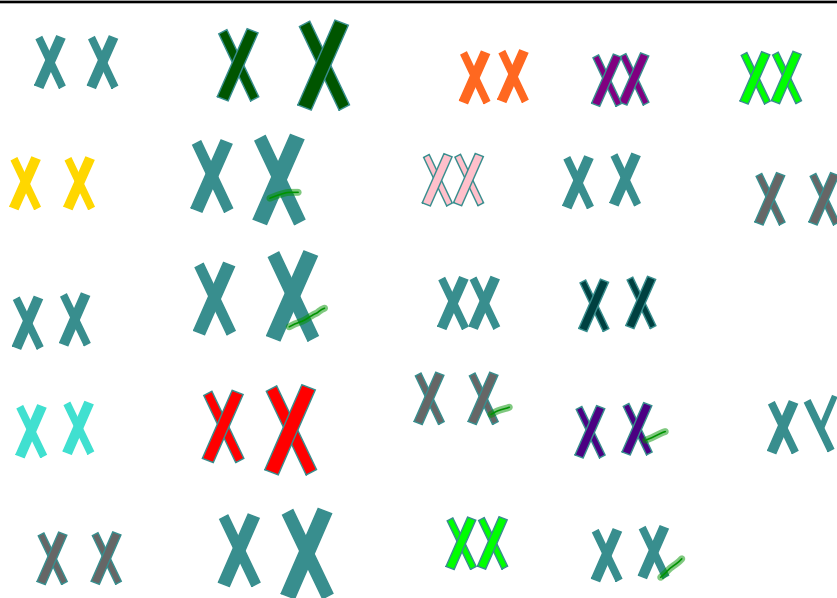
A horse with red hair mates with a horse with white hair. What should the offspring be?

Jan 27 - 10:14 AM

Polygenic traits- when several genes control one trait.

Examples: hair color, eye color, weight height, and skin color.

Jan 27 - 10:17 AM



The genes can be on the same chromosomes or different chromosomes.

Nov 7 - 4:40 PM

Intermediate traits.

For example when a red snapdragon and crossed with a white snapdragon, the offspring are pink.

[Snapdragons](#)



Jan 27 - 10:19 AM

Codominance-
both forms are
expressed at the
same time.

Jan 27 - 10:25 AM

Multiple
alleles-
traits with
three or more
alleles.

I^A I^B i

i i

i i

I^B i

I^A I^A

I^B I^B

I^B I^A

I^A i

Jan 27 - 11:07 AM

Phenotype can be affected by
environment

Arctic Fox



Jan 27 - 11:12 AM

Steps to a pedigree.

1. Number the generations
(Roman numerals)
2. Number the people
3. \bigcirc = female \square = male
4. All homozygous recessive
get 2 little letters.
Shaded in shapes.
5. All others get 1 dominant
allele.
6. Figure out the other letter

Nov 20-10:19 AM

B= gene for brown eyes b- gene for blue eyes

_____ 1. What is the sex of person III-3?

_____ 2. How many generations are shown on this pedigree?

_____ 3. How is person II-1 related to III-2?

_____ 4. How many men have blue eyes?

Feb 12-7:23 AM

_____ 5. How many marriages are shown on the pedigree?

_____ 6. How many couples have only one child?

_____ 7. What is the genotype of person I-2?

_____ 8. What is the genotype of person II-8?

_____ 9. What is the genotype of person III-4?

_____ 10. What is the phenotype of person II-3?

Feb 12-7:23 AM