

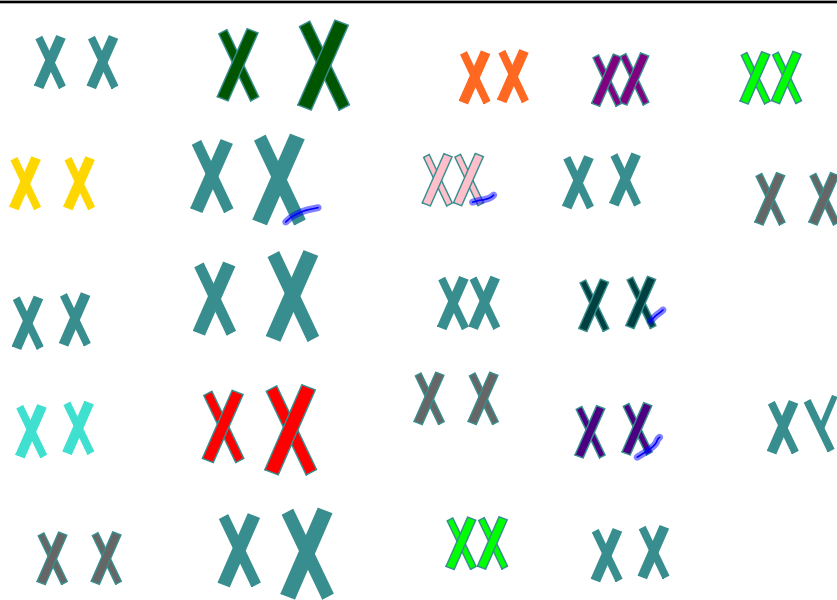
A horse with red hair mates with a horse with white hair. What should the offspring be?

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Polygenic traits- when several genes influence one trait.

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

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

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Intermediate traits.

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

[Snapdragons](#)



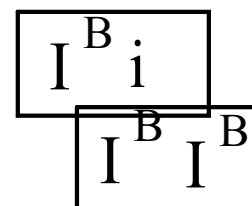
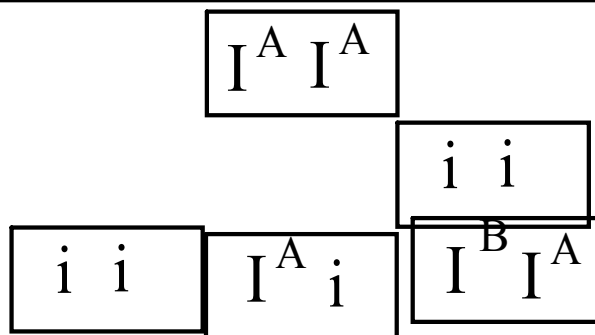
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Codominance-
both forms are
displayed at the
same time.

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Multiple
alleles-
genes with
three or more
alleles.

I^A I^B i



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Phenotype can be affected by

environment

Arctic Fox



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Steps to a pedigree.

1. Number the generations
(Roman numerals)
2. Number people (Numbers)
3. \bigcirc = female \square = male
4. All shaded are homozygous recessive.
5. All others have 1 dominant allele.
6. Figure out 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?

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_____ 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?

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