Intro to Heredity

**Video**:

[Intro to Heredity by Khan Academy](http://www.youtube.com/watch?v=eEUvRrhmcxM): <http://www.youtube.com/watch?v=eEUvRrhmcxM>

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| --- | --- | --- |
| Example: |  | 25% - TT= Tall  50% Tt = Tall  =  75 Tall  25% Short |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eye Color: (from the Video)   |  |  |  | | --- | --- | --- | |  | **B** | **b** | | **B** |  |  | | **b** |  |  | | What is the probability the baby will have brown eyes?  \_\_\_\_\_\_\_\_\_(Show as a fraction or a %)  What trait is expresed if the baby is Bb?  What is the probability the baby will have blue eyes?  \_\_\_\_\_\_\_\_\_(Show as a fraction or a %) |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Eye Color: (Practice)   |  |  |  | | --- | --- | --- | |  | **B** | **B** | | **b** |  |  | | **b** |  |  | | What is the probability the baby will have brown eyes?  \_\_\_\_\_\_\_\_\_(Show as a fraction or a %)  What trait is expresed if the baby is Bb?  What is the probability the baby will have blue eyes?  \_\_\_\_\_\_\_\_\_(Show as a fraction or a %) |

What does dominant mean?

What does recessive mean?

What is a trait?

What does homozygous mean?

* give an example:

What does heterozygous mean?

* give an example:

What is an allele?