Intro to Heredity

**Video**:

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

|  |  |  |
| --- | --- | --- |
| Example: |  | 25% - TT= Tall50% Tt = Tall=75 Tall25% 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?