

Cornell Notes	Topic/Objective: Amoeba Sisters Alleles and Genes	PASTE IN NOTEBOOK
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Essential Question: What are alleles and genes?

Questions:

1. A gene is a \_\_\_\_\_ of DNA that \_\_\_\_\_ for a \_\_\_\_\_ or \_\_\_\_\_, like being able to taste PTC.
2. Many \_\_\_\_\_ are coded by interactions of \_\_\_\_\_ than \_\_\_\_\_ gene like eye color.

#### Chromosomes & Inheritance

3. Your whole \_\_\_\_\_ code is represented by \_\_\_\_\_.
4. You inherit \_\_\_\_\_ chromosomes from your \_\_\_\_\_ and \_\_\_\_\_ chromosomes from your \_\_\_\_\_.
5. Chromosomes are \_\_\_\_\_, with one from each \_\_\_\_\_.
6. Each \_\_\_\_\_ contributes an \_\_\_\_\_, or variant of a gene.
7. The two \_\_\_\_\_ you inherit determine the \_\_\_\_\_.

#### Allele Formatting

8. \_\_\_\_\_ are typically represented by \_\_\_\_\_.
9. \_\_\_\_\_ letter is the \_\_\_\_\_ allele.
10. \_\_\_\_\_ letter is the \_\_\_\_\_ allele.
11. \_\_\_\_\_ alleles are typically not \_\_\_\_\_ if there is a \_\_\_\_\_ allele.
12. \_\_\_\_\_ can help determine the \_\_\_\_\_.
13. PTC tasting genotype is \_\_\_\_\_ or \_\_\_\_\_. The non tasting genotype is \_\_\_\_\_.
14. \_\_\_\_\_ traits are not always more \_\_\_\_\_.
15. The dominant \_\_\_\_\_ can be more \_\_\_\_\_ than the \_\_\_\_\_ allele.

Summary: