



# Amoeba Sisters | Video Recap

NAME: \_\_\_\_\_

## Amoeba Sisters Video Recap- DNA, Chromosomes, Genes, and Traits: An Intro to Heredity

The vocab below builds a foundation for understanding heredity! Complete the table using your own words and creativity.

Name	Illustrate!	Explain it in Your Own Words	What's its Significance? (Why does it Matter?)	Real Life Example
DNA	1.	2.	3.	DNA found in the body cell of a snake
Chromosome	4.	5.	Chromosomes allow the large amount of DNA to be compacted. One reason this is significant is in cell division as it makes it much easier for the cells to put these units into the new cells.	6.
Gene	7.	8.	9.	One of many genes that can code for a protein involved in eye pigment
Trait	10.	11.	12.	13.

14. For the diagram at right, please label the following words on the diagram.

(A) Deoxyribose (sugar), (B) Phosphate, and (C) Nitrogenous Base.

15. Based on the definition, how many **nucleotides** do you see in this diagram? \_\_\_\_\_

16. What are the **four different types of bases** in DNA and how do they pair?

17. When studying **heredity**, what is the relationship of DNA **bases** and **traits**?

