

Heredity Video Learning Activity Answer Key

Directions: While watching the video, answer the following questions in the space beneath each question. Submit to the teacher when you have completed the activity.

1. What is heredity?

Answer: The passing down of traits from parent to child

2. What is genetics?

Answer: The study of how those traits get passed along from parent to child

3. In your own words, describe Deoxyribonucleic Acid (DNA).

Answer: Answers may vary, but something similar to a structure found in the nucleus of a cell that contains the genetic information of an organism and is in the shape of a double helix.

4. What is the purpose of genes?

Answer: The sections of DNA that carry the traits passed along by our parents.

5. What is the difference between dominant and recessive genes?

Answer: Dominant genes are stronger than recessive genes.

6. Give an example from the video of a dominant gene.

Answer: Brown eyes

7. Give an example from the video of a recessive gene.

Answer: Blue eyes

8. Describe a gene mutation.

Answer: A gene that is missing or has spelling error that leads to a change in a trait.