

8



Learning Activity Sheet for Science

Quarter 1

Lesson

3

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Learning Activity Sheet for Science Grade 8
Quarter 1: Lesson 3 of 5 (for Week 3)
SY 2025-2026

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LEARNING ACTIVITY SHEET

Learning Area:	Science 8	Quarter:	1 st Quarter
Lesson No.:	Lesson 3 Subtopic 1	Date:	
Lesson Title/ Topic:	Patterns of Inheritance		
Name:		Grade & Section:	

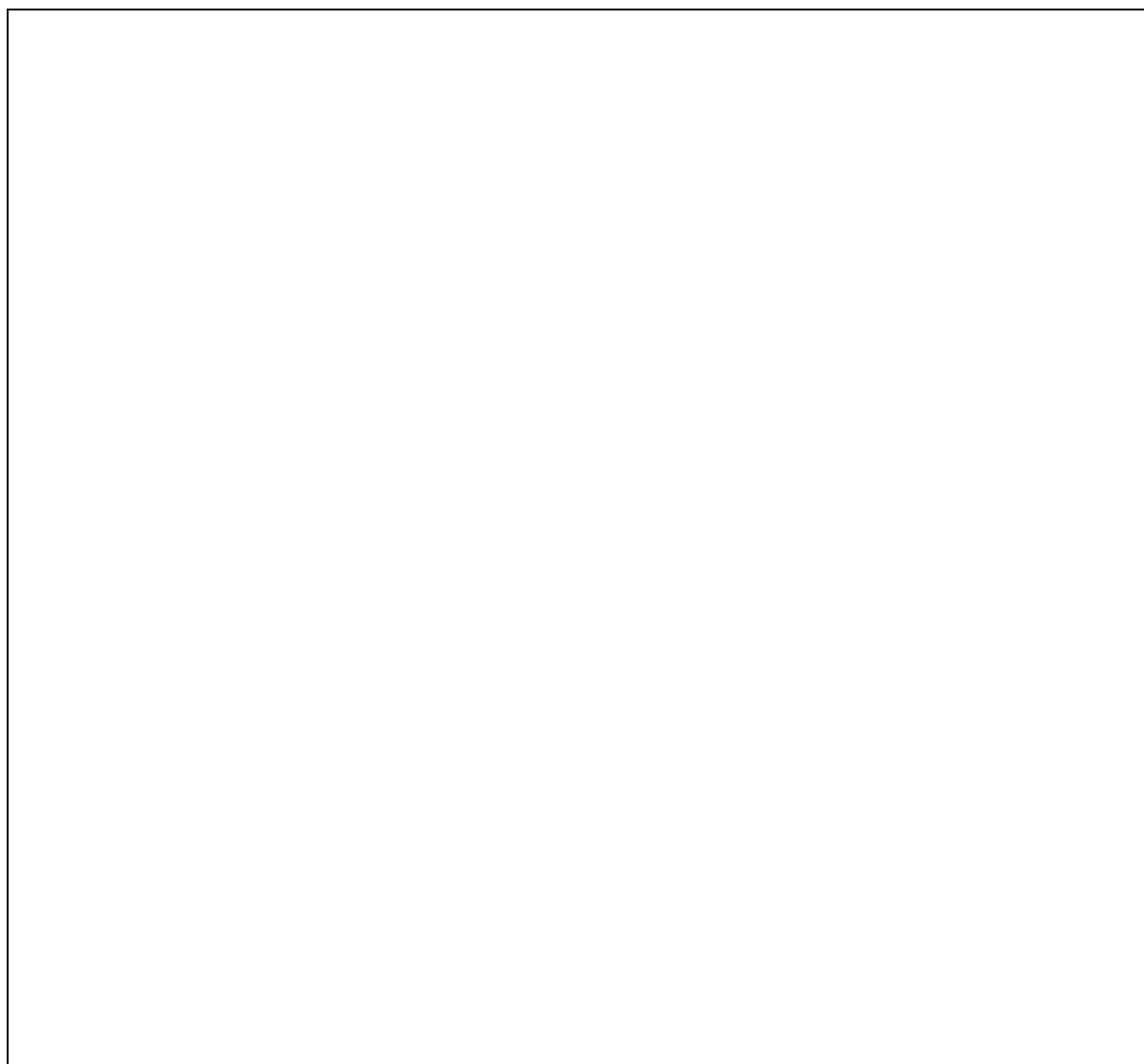
I. Activity No.: Activity #1: My Family and Their Traits

II. Objective(s): Describe one's family and analyze the common traits present

III. Materials Needed: Family picture, writing materials (ballpen, pencil, etc.)

IV. Instructions: Prepare family picture and post it in the diagram below.
Complete the guide questions that follow.

My Family



Guide Questions:

1. How will you describe your family? List at least five members from each side of your family and describe them. Use adjectives to describe each family member's physical appearance and personality traits. Use the tables below.

A. Paternal (Father) side

Name of Family Member	Trait

B. Maternal (Mother) side

Name of Family Member	Trait

2. Which trait do you think you inherited from your father? From your mother? (*Think about physical traits (such as eye color, hair texture, height) or personality traits (such as temperament, sense of humor, or talents).* Write down your thoughts on what traits you might have inherited from each parent.

3. Why are some of your traits different from your parents?

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I. Activity No.: Activity #2: Pedigree Analysis

II. Objective(s): Describe patterns of inheritance through pedigree analysis

III. Materials Needed: pedigree charts, writing materials (ballpen, pencil, etc.)

IV. Instructions:

1. Examine the pedigree chart provided for you.
2. Identify the following:
 - a. Individuals with the trait of interest (affected individuals)
 - b. Individuals without the trait of interest (unaffected individuals)
3. Use colored pencils or markers to highlight affected individuals and their connections.
4. Analyze the pattern of inheritance in the pedigree diagram:
 - a. Determine if the trait appears to be dominant or recessive based on its presence or absence in each generation.
 - b. Consider any patterns of recurrence or skipping of the trait across generations.
5. Answer the guide questions based on your observations and understanding of genetics and pedigree analysis.

Guide questions:

1. What are genes? What branch of science studies them?
2. How do you know that traits are dominant? Recessive?
3. Differentiate genotype from phenotype.