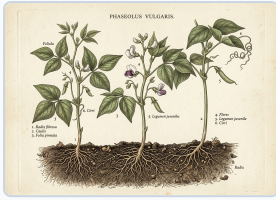


LESSON 82: BOTANICAL NATURE STUDY — A PLANT**GRADE 2 • PART II****The Charlotte Mason Method • Direct Specimen Study**

Every living plant has three primary organs: **roots** anchored below the dark earth, an upright cylindrical **stem**, and broad green **leaves** reaching toward the sunshine.

Classic Precept: "Hold a plant up before the class. Require oral and written answers."

1 CLASSICAL WORD & PHRASE BANK (FROM ORIGINAL TEXT)

Study these original descriptive phrases from your textbook before writing your scientific sentences:

Organs: roots, stem, leaves

Roots: thread-like, grow into earth

Stem: round & smooth, grows up

Leaves: thin, flat, and green

Root Work: feed & hold upright

Stem Work: holds up leaves & sap

2 ORAL & WRITTEN OBSERVATION • THREE ORGANS

Answer each question in a **complete, elegant sentence** using words from the phrase bank above.

1. Three Main Organs: The three vital parts of every plant are the _____, _____, and _____.

2. Roots (Form & Way): The roots are _____, and they grow deep down into the _____.

3. Stem (Form & Way): The stem is _____, and it grows upward into the _____.

4. Leaves (Form & Color): The leaves are _____, and their color is _____.

5. Uses & Functions: Roots hold the plant; the stem lifts leaves; and leaves help get _____.

3 BOTANICAL SKETCH & OBSERVATIONAL STATEMENT

Draw a neat picture of a whole plant. Label its three organs (**Roots, Stem, Leaves**), then write one complete concluding sentence.

[Draw Plant: Roots • Stem
• Leaves]

My Scientific Sentence: _____

Pedagogical Overview • Charlotte Mason Object Study & Botanical Precision

Lesson 82 exemplifies the nineteenth-century object lesson. Rather than memorizing abstract definitions, the child handles a living plant specimen. Following the textbook directive, *"Hold a plant up before the class. Require oral and written answers,"* the teacher guides students to observe structure (morphology) and deduce function (physiology). Children learn to describe form accurately before writing complete, elegant sentences.

Section 1 & 2 Model Answers • Scientific Morphology

- 1. Three Main Organs:** "The three vital parts of every plant are the **roots**, the **stem**, and the **leaves**."
- 2. Roots (Form & Way):** "The roots are **thread-like** (white or brown), and they grow deep down into the **dark earth**."
- 3. Stem (Form & Way):** "The stem is **round and smooth**, and it grows upward into the **light and air**."
- 4. Leaves (Form & Color):** "The leaves are **thin, flat, and broad**, and their color is **green**."
- 5. Uses & Functions:** "The roots hold the plant upright and feed it; the stem lifts the leaves and carries sap; and the leaves help get food from air and sunlight."

Section 3 Model Sketch & Observational Statement Criteria

Sketch Criteria: The child should clearly delineate underground thread-like roots, an erect central stem, and laterally branching green leaves. All three organs should be legibly labeled.

Exemplary Sentence: *"Each organ of a plant works faithfully together so that the whole plant may live, grow, and bear flowers."*

HOLISTIC EVALUATION RUBRIC (CHARLOTTE MASON & CCSS ALIGNED)

Evaluation Domain	Exemplary (4 pts)	Proficient (3 pts)	Developing (1–2 pts)
1. Botanical Accuracy	Accurately names and describes roots, stem, and leaves; correctly relates form to function.	Names all 3 organs with minor inaccuracies in descriptive terminology.	Omits one or more organs or confuses root and stem functions.
2. Sentence Architecture	Answers in full, elegant sentences with clear subjects and predicates; zero sentence fragments.	Complete sentences with minor phrasing awkwardness; correct capitalization.	Answers in single words or incomplete fragments; lacks predicates.
3. Vocabulary Mastery	Skillfully uses classical descriptors (<i>thread-like, round and smooth, thin flat and green</i>).	Uses basic descriptors correctly with modest variety.	Relies on vague terminology without scientific adjectives.
4. Sketch & Penmanship	Neat, accurate botanical drawing with 3 distinct labels; uniform, well-aligned handwriting.	Legible drawing with clear labels; clean baseline handwriting.	Incomplete drawing, missing labels, or irregular letter formation.