

CASE

*Curriculum for Agricultural
Science Education*

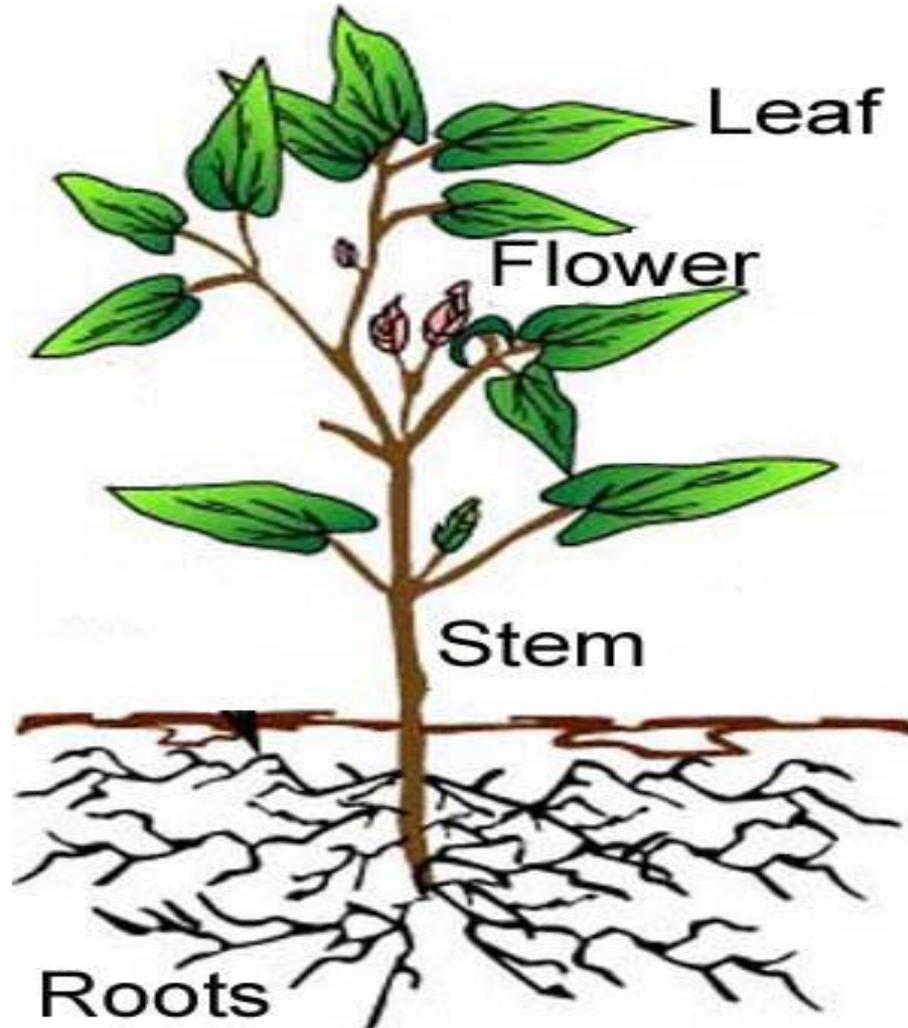
Principles of Agricultural Science – Plant

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Major Parts of the Plant

Unit 4 – Anatomy and Physiology
Lesson 4.2 The Radicle Root

Four Major Plant Parts



The Footing



The function of **Roots**:

- Anchor the plant in the soil
- Uptake water
- Uptake dissolved nutrients
- Store food reserves

The Backbone



The function of **Stems**:

- Support plant leaves and flower
- Allow raw nutrients and synthesized sugars to move throughout the plant
- Store food reserves
- Green stems synthesize sugars

Solar Panels



The function of **Leaves**:

- Synthesize food for the plant
- Cool the plant
- Allow gas exchange with atmosphere
- Store food reserves

The Finale



The function of **Flowers**:

- Produce seed
- Produce pollen
- Attract insects
- Produce fruit

References



Parker, R. (2010). *Plant and soil science: Fundamentals and applications*. Clifton Park, NY: Delmar.

Schooley, J. (1997). *Introduction to botany*. Albany, NY: Delmar Publishers.