

Seed Parts

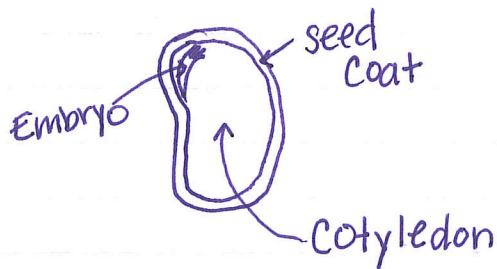
Seed coat → the outside of the seed

- tough
- almost airtight
- protects the baby plant (embryo)

Embryo - new plant

- roots, stem, & leaves

Cotyledon - energy supply in the form of a starch



Roots

root → 1st structure to come out of the seed

- collects water for plant
- keeps the plant in place
- grow downward

root hairs - hair-like fingers

- absorb water from the ground
- hold plant in place

Stem

Stem - almost all plants have them

- establish the basic shape of the plant
- provides structure for positioning

Xylem - bundle of tubes that brings water & minerals to the cells

Leaf

Leaves - energy factories of the plant

- where the plant food is made -
through ~~photosynthesis~~ photosynthesis

Stomata - an opening on the surface of
a leaf

- Carbon dioxide, oxygen, and water
all pass through
- guard cells control the opening
and closing