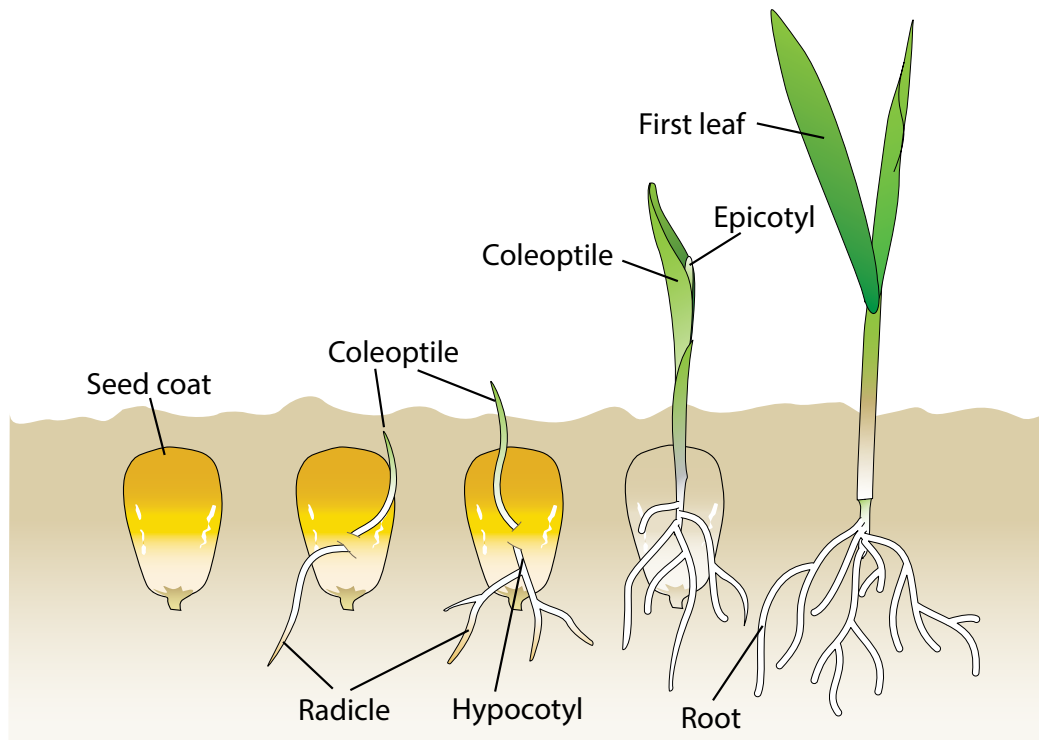


LESSON 2: WHERE IS THE CORN SEED?



Seed coat: The seed coat protects the starch and embryo from insects and diseases: both at planting and in storage.

Corn seed radicle: The radicle is the first part of a growing plant embryo that emerges from the seed during germination. The radicle is the first root of the plant and grows downward in the soil.

Corn seed coleoptile: The seed coleoptile is a pointed protective sheath covering the emerging shoot (epicotyl) that pushes above the ground for the first leaves to appear

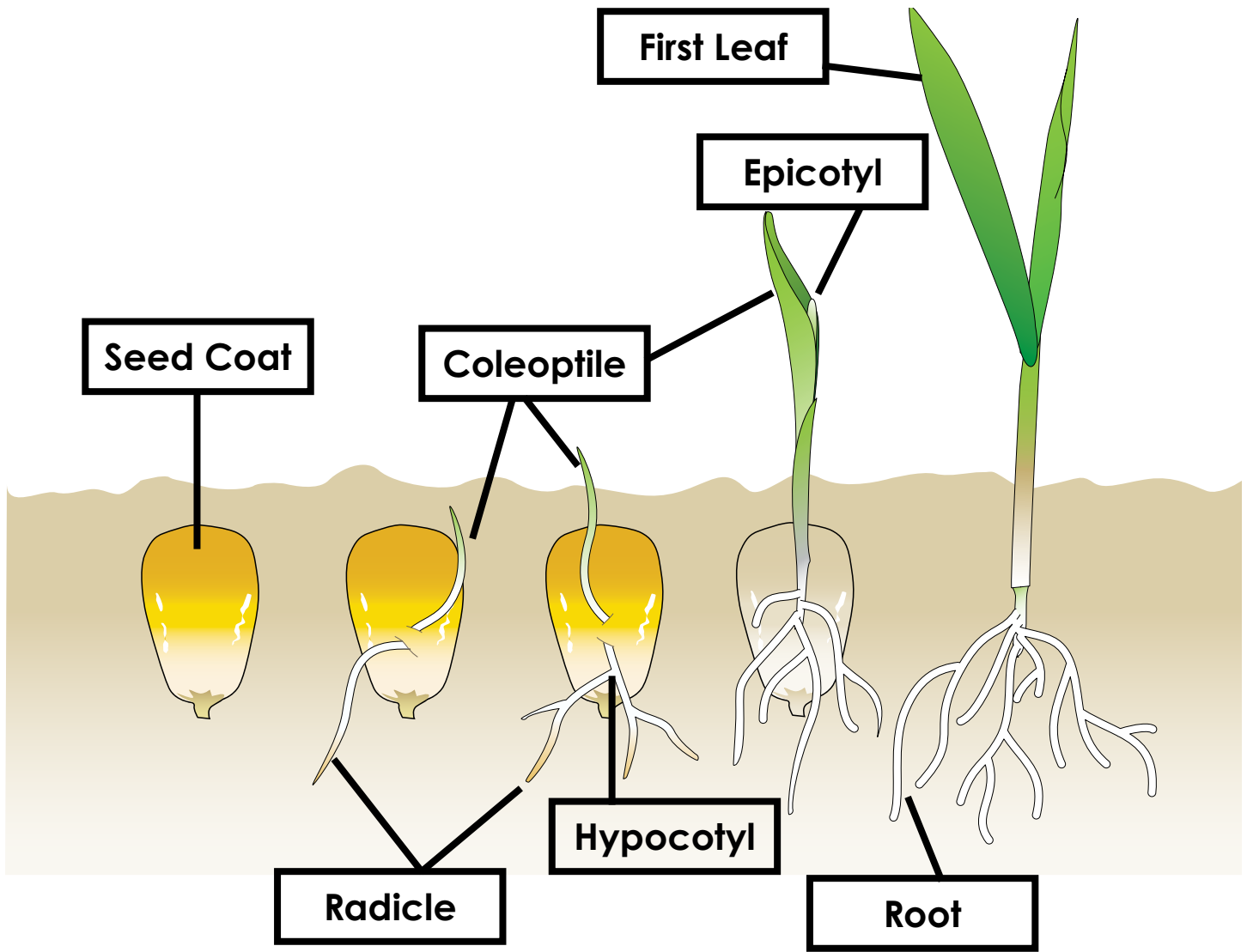
Corn seed hypocotyl: The seed hypocotyl is the region between the radicle and the coleoptile that forms more roots

Corn seed epicotyl: The seed epicotyl is the region inside the coleoptile that forms the leaves and stems

First leaf: The true first leaf comes from the inside of the coleoptile and is distinguished by have a rounded tip. All other future leaves have a pointed tip. This first leaf will fall off as the plant is growing and the stem is enlarging. By the time the sixth leaf is growing, the first leaf is hard to find.



PARTS OF AN EMERGING CORN PLANT

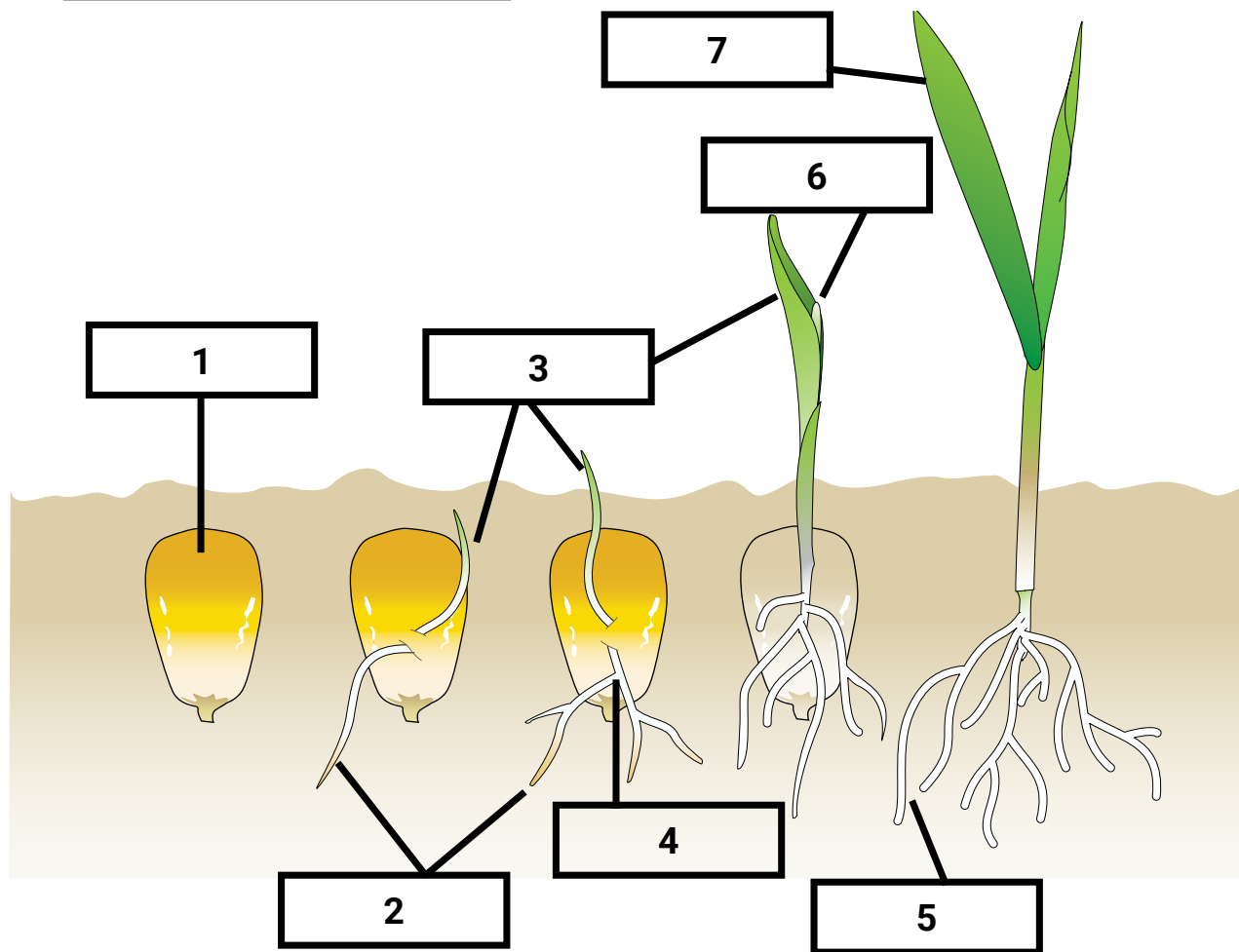


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LESSON 2: PARTS OF AN EMERGING CORN PLANT



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