Dicot seed (bean): 1. seed coat, 2. micropyle, 3. hilum, 4. strophiole, 5. cotyledons, 6. embryo, 6a. plumule, 6b. hypocotyl-radicle axis
Dicot seedling (bean): 1. first leaves, 2. epicotyl, 3. cotyledons, 4. seed coat, 5. hypocotyl, 6. radicle or primary root

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Monocot grain (corn): 1. pericarp, 2. endosperm, 3. cotyledon, 4. embryo (including coleoptile, coleorhiza, etc.)
Monocot seedling (corn): 1. first true leaf, 2. coleoptile, 3. pericarp, 4. coleorhiza, 5. radicle or primary root
Self-test: Identify the first leaves, epicotyl, cotyledons, seed coat, hypocotyl.
Self test: Identify first leaf, coleoptile, radicle, adventitious roots, and the seed coat (with the cotyledon inside).

Seed Germination