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| **Multicelllular Organism** | **Structure or Organelle** | **Function** |
| Plant | Stem | * Establishes the shape of the plant * Provides structure for leaf positioning |
| Plant | Cell wall  (in cell) | * Has cellulose which provides rigid (stiffness) for upright growth |
| Plant | Tendrils | * Allow attachment to structures to position plant to get light |
| Plant | Chloroplasts  (in cell) | * Contain chlorophyll to capture sunlight (energy) to produce sugar in photosynthesis |
| Plant | Xylem  (vascular bundle) | * Tubes that transport water and minerals. |
| Plant | Phloem (vascular bundle) | * Tubes that transport sugar |
| Plant | cuticle | * Waxy layer of epidermis (outer surface cells) that prevent water loss |
| Plant | Stomata | * Closed and opened by surrounding guard cells which allow CO2, H2O and O2 into and out of the cell |
| Plant | Seed Coat | * Tough outer covering that protects the embryo |
| Plant | Embryo | * Develops into the new plant |
| Plant | Cotyledon | * Energy supply (starch) for developing embryo |
| Plant | Root Hairs | * Absorb water and minerals from the environment |