

What Is Inside a Seed?

DIAGRAM LABELING / FILL IN THE BLANKS

If you opened a seed, what do you think you would see? Most seeds have three parts—a **seed coat**, an **embryo**, and a **cotyledon**.

DIRECTIONS: Use the words in the word bank to label the two seed diagrams. Then, match each word to its definition.

WORD BANK

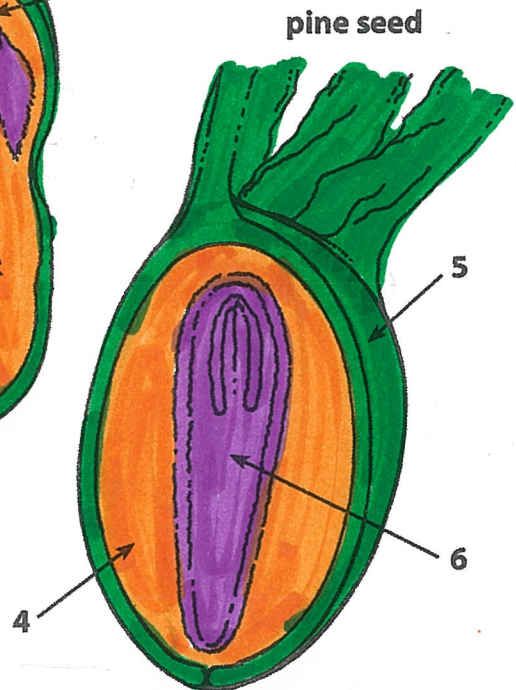
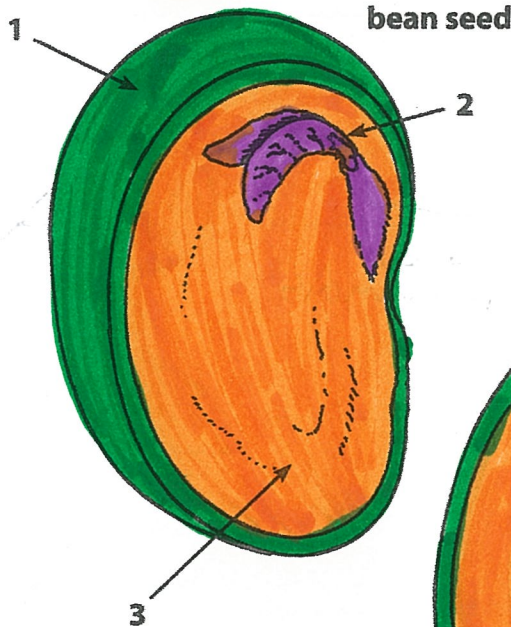
seed coat

embryo

cotyledon

Handwritten scribble

- 1. seed coat
- 2. embryo
- 3. cotyledon
- 4. cotyledon
- 5. seed coat
- 6. embryo



- 7. embryo a young plant
- 8. cotyledon a seed leaf that stores food for the embryo
- 9. seed coat the hard, outer covering of the seed; protects the embryo and its food from drying out

Getting the Seeds Out

FILL IN THE BLANKS

DIRECTIONS: Plants produce seeds as a method of reproduction. How does a plant use nature and other organisms to **disperse**, or spread, its seeds to new locations? Write the method of dispersion used by each type of plant from the word bank next to each type of seed below.

WORD BANK

wind

mammals

birds

water



1. coconut water



6. acorn mammal



2. cocklebur ~~water~~
wind
mammals



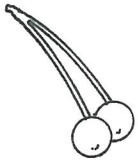
7. walnut ~~water~~
mammal



3. holly bird



8. maple water



4. cherry mammal



9. pine ~~wind~~
mammals



5. hickory nut ~~bird~~
mammals



10. milkweed wind

11. How does a plant benefit from dispersing its seeds? What might happen if the seeds were not dispersed far from the plant?

Then we would only have one tree
of each seed.