

# MOVIE—The science of plants: lifecycles of plants

name \_\_\_\_\_

## PLANT PARTS AND HOW THEY ARE USED

1. ___ Chocolate (cacao bean)	A Mature plant
2. ___ Spaghetti sauce (tomato)	B Seed
3. ___ Burn medicine (aloe plant)	C Flower
4. ___ beauty	D Fruit

## BABY PLANTS

5. The process by which the seed coat breaks apart and the embryo begins to grow is called?

6. ___ First root	A Plumule
7. ___ First shoot	B seedling
8. ___ First leaves	C Radical
9. ___ Young plant	D cotyledons

## PLANT PARTS AND THEIR JOBS

10. The process by which leaves absorb light and use the energy to produce food is called?

11. ___ leaves	A Provide support; connect roots to leaves
12. ___ stem	B Capture sunlight; do photosynthesis
13. ___ flower	C Absorb water and minerals to send to the leaves
14. ___ roots	D Reproduce by making seeds

## SPECIAL ADAPTATIONS OF PLANTS

15. The process whereby plants adapt to their environment over time is called?

16. ___ Trumpet pitcher plant	A Makes prickly leaves to keep predators from eating them
17. ___ Aloe vera plant	B Carnivorous plant—responds to touch and grabs insects
18. ___ Venus fly trap plant	C Carnivorous plant—lures insects with liquid nectar, drowns victim, then digests to get minerals (not food)

## REPRODUCTION

19. What is the reason that plants make seeds?

20. When pollen (sperm inside) comes into contact with the female flower parts this is called?

21. When sperm meets egg this is called?

22. Name 3 pollinators.

1  
2  
3

23. What is the reason plants make fruit?

**Rotting (melon), parachute (dandelions), floating (coconuts), fire (protea plants), squirrels (acorns)**

24. How are all the words above related?