

SEED SPROUTING

And Care

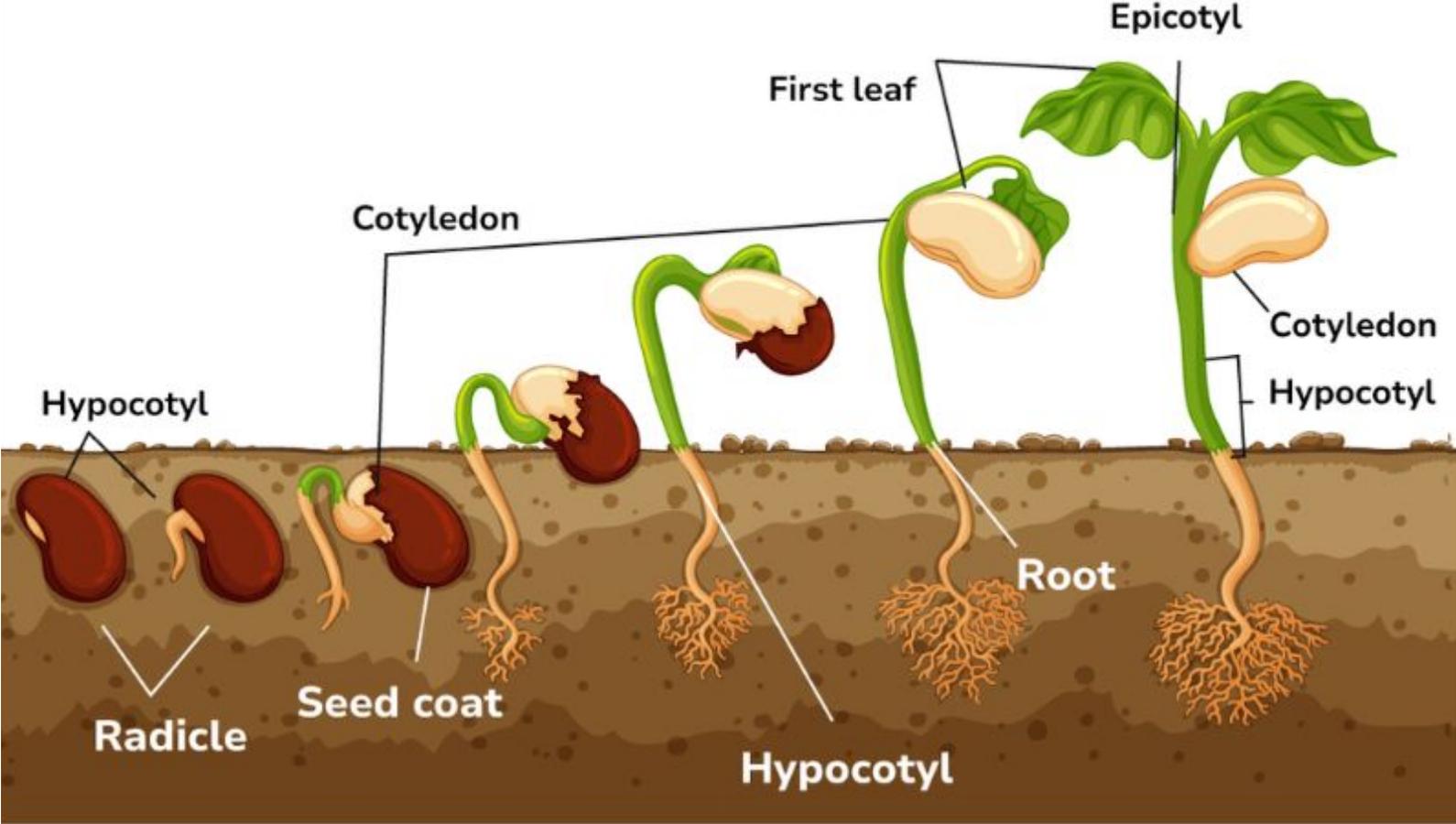
How do seeds germinate? Let's discuss

1. How long does it take a seed to sprout?
2. Does size matter?
3. Does shape matter?
4. Warm or Cold?
5. Does more light and water mean bigger plant?

Seed Germination

- Germination usually takes 3-7 days, depending on the type of seed.
- The cotyledon provides stored food to help the young plant grow until it can make its own food.
- Different kinds of seeds have different needs and speeds - Try different seeds to compare!

Diagram of Seed Germination



Monocotyledon vs Dicotyledon

Monocots

Cotyledons



One

Veins in leaves



Usually parallel

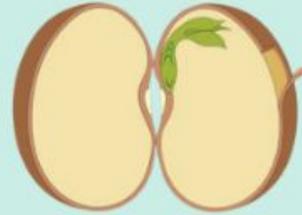
Flower parts



Usually in multiple of three

Dicots

Cotyledons



Two

Veins in leaves



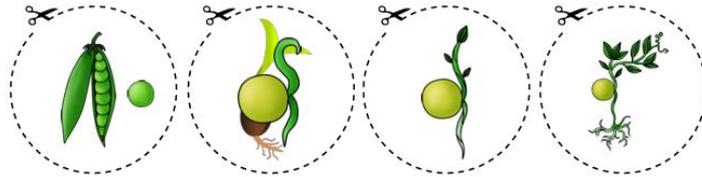
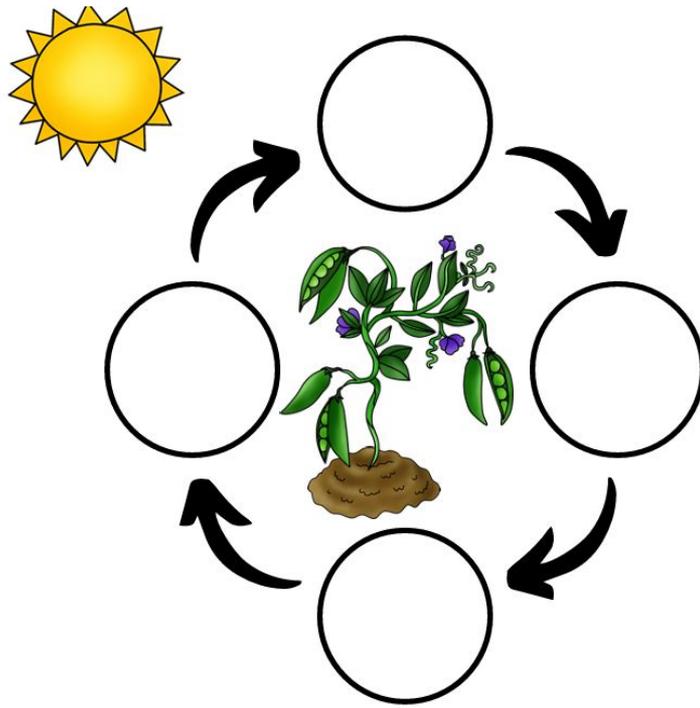
Usually netlike

Flower parts



Usually in Fours or Fives

Vs



A

B

C

D



Tips for proper sprouting

- Use only a damp paper towel (not soaking wet)
- Leave the bag slightly open
- Avoid placing the bag in direct sunlight. Can cause mold with too much condensation
- Change the paper towel if needed
- Use clean hands and materials
- Don't overcrowd the seeds

Happy Sprouting!

