

ONE OR TWO?

ULYSSES PHILOMATHIC LIBRARY SCIENCE AT HOME

THE STEP BY STEP

- 1 - Place moist paper towels in each bag.
- 2 - In one bag, line up 4 kernels of corn on the moist paper towels.
- 3 - In the second bag, line up four beans on the moist paper towel.
- 4 - Place both bags in a sunny location, and check the paper towel each day. You want the paper towels to remain damp, but not dripping wet.
- 5 - Observe the similarities and differences in the way the corn and the bean plants sprout.

ADDITIONAL QUESTIONS

What are the main parts of a seed? When your seeds sprout, which part did you see first?

What is germination?

Can you see any differences between your corn and your beans? Which one is the monocot and which one is the dicot?

Does the name (*monocot*, *dicot*) give you a clue about the seed?

Which seed was the speedier sprouter? Is it the seed you expected to sprout first?

ADDITIONAL RESOURCES

Exploratorium: seed germinator

<https://www.exploratorium.edu/snacks/seed-germinator>

How does a seed become a plant?

<https://www.youtube.com/watch?v=tkFPyue5X3Q>

Monocot vs Dicot: jr master gardeners

<https://jmgkids.us/kids-zone/jmgkidsweb/monocotvsdicot/>

Monocots and Dicots: seeds

<http://theseedsite.co.uk/monocots2.html>

Science 101: Gemination

<https://iowaagliteracy.wordpress.com/2018/05/04/science-101-germination/>