

Growing Glove Worksheet

| | Unknown Seed 1 | Unknown Seed 2 | Unknown Seed 3 | Unknown Seed 4 | Unknown Seed 5 |
|-------|----------------|----------------|----------------|----------------|----------------|
| Day 1 | | | | | |
| Day 3 | | | | | |
| Day 5 | | | | | |
| Day 7 | | | | | |

Post-Lab Questions *(Answer on a separate sheet of paper.)*

- From your observations, identify whether each unknown seed is from a monocot or dicot plant and explain your reasoning.
 Unknown 1 –
 Unknown 2 –
 Unknown 3 –
 Unknown 4 –
 Unknown 5 –
- Sketch the appearance of one of the monocot seedlings and one of the dicot seedlings growing in the glove and label the characteristic parts.
- While sitting in class, you notice a seed stuck in the tread of your gym shoe. As you remove the seed, the seed coat splits and two cotyledons fall out. What does this tell you about the plant the seed came from?
- Do you have a reason to believe any of the Unknowns 1–5 were seeds from the same type of plant? If so, which unknowns were they and why do you believe this to be true?
- Explain in your own words why the seeds were able to sprout without being buried in soil.