



Germination Flask Instructions

AgriBiotechnology
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Interval 1
Segment 2

Gather the following items:

- Germination flask (approximately half full with water)
- Germination flask lid
- Support ring
- 2 cotton rounds
- 1 PermaCoil cotton, approximately 7 inches.
- 1 PermaCoil cotton, approximately 9 inches.



Complete the following steps to assemble the germination flask:

1. Using the nine-inch length of PermaCoil, fold one end over the support ring, leaving the remaining length hanging down through the inside of the ring.



2. Wrap the remaining length of PermaCoil up and around the outside of the support ring where you started and then across the center of the support ring, leaving the remaining length of PermaCoil hanging over the outside of the support ring opposite from where you started.



3. Carefully place the support ring into the germination flask that has been filled approximately half full with water. The length of PermaCoil that is hanging over the support ring should extend into the water.



4. Take the seven-inch piece of PermaCoil and lay it over the nine-inch piece that now forms a supporting bar across the support ring. Both ends of the seven-inch piece should extend into the water.





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5. Place a cotton round onto the support bar.



6. Wet the cotton round with water.



7. Place the seeds your activity requires onto the cotton round.



8. Place the other cotton round on top of your seeds.



9. Wet the second cotton round.



10. Place the lid on the germination flask.



11. Check your seeds daily. When you observe the roots and stems starting to emerge from the seeds, remove the cotton round that covers the seeds and either place it in an appropriate location where it can dry and be reused or discard it. The PermaCoil acts as a wick so the water in the germination flask should be kept at a level that allows the ends of the PermaCoil to extend into the water throughout the experiment.

