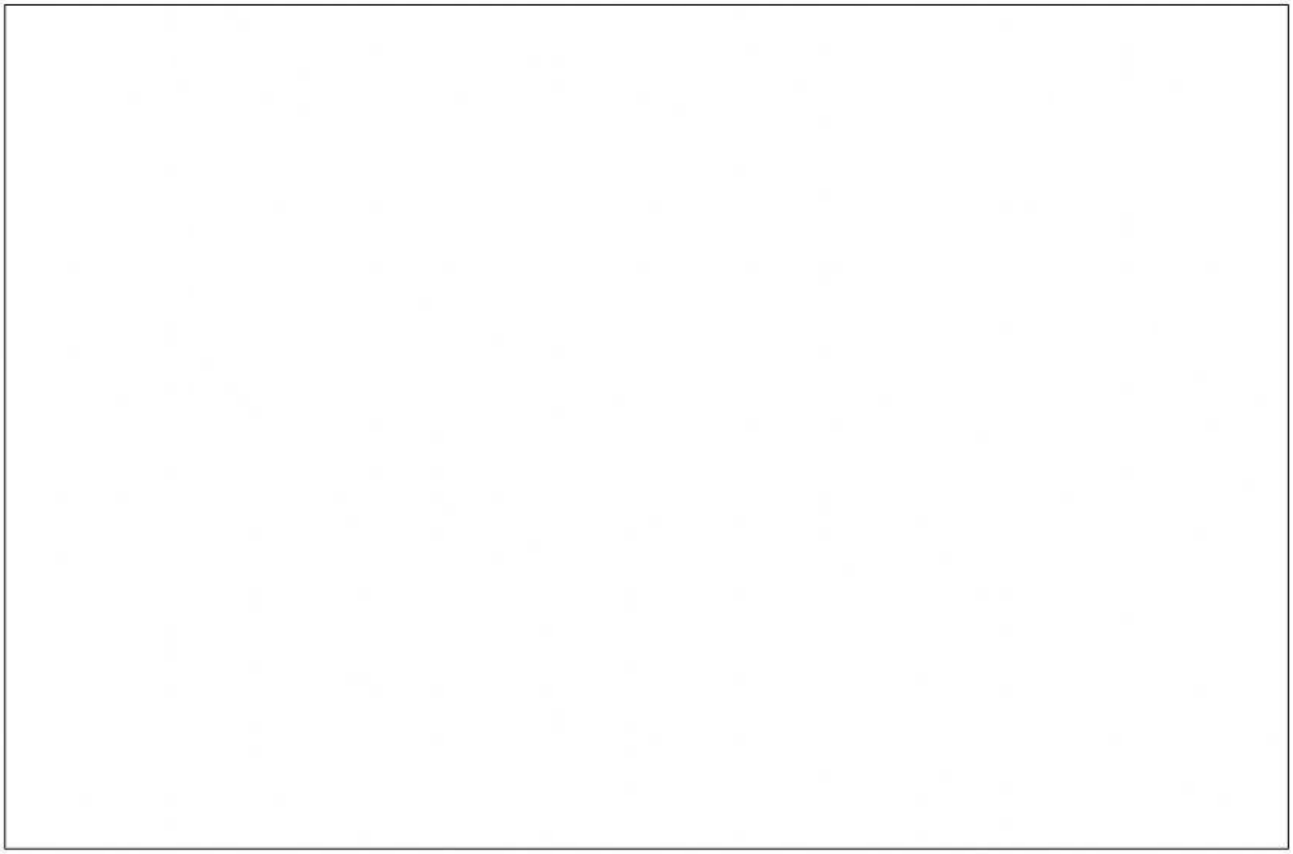
Germination

What is germination?

Germination is the process by which a plant grows from a seed.



Vocabulary

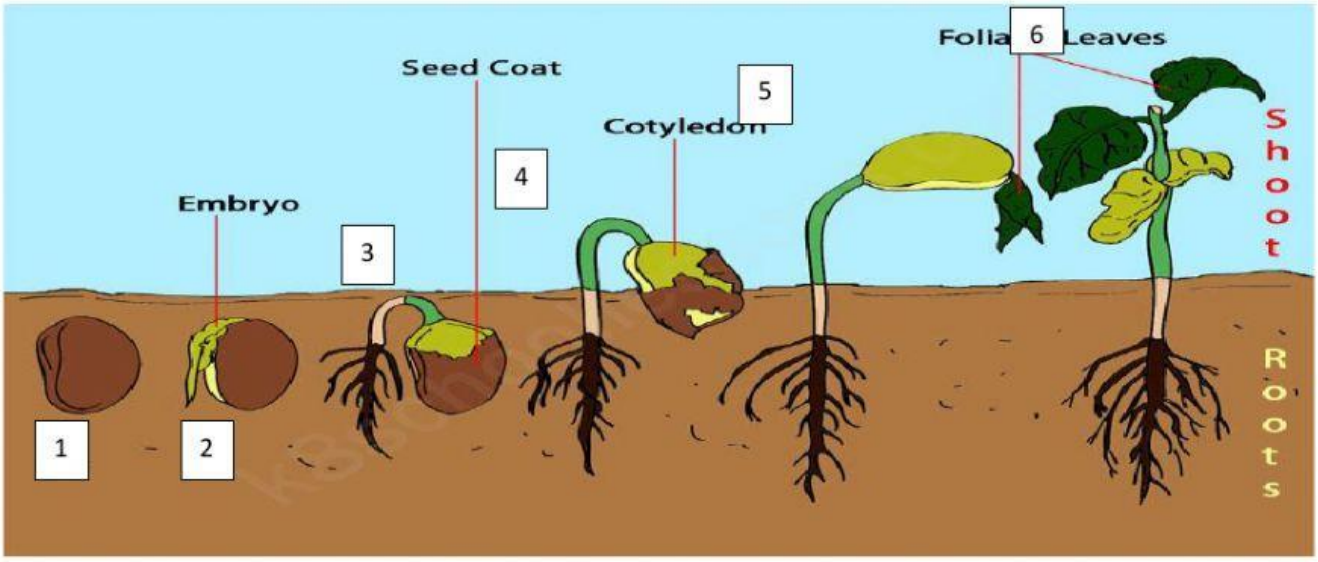
germination _____ germinate _____

seed coat _____ cotyledons _____

embryo _____ radicle _____

plumule _____ root hairs _____

sprout _____ photosynthesis_____



Fill in the missing words from the help box.

germinate	seed coat	cotyledons	embryo	radicle	absorb	plumule	hairs
shoot	two	smaller	photosynthesis				

Step 1: A seed has to get soil, air, water and the right temperature to _____ . Water is absorbed through a tiny hole in the seed. The seed becomes bigger in size and softer. The _____ _____ cracks. This allows air to enter. Water helps to dissolve the nutrients in the _____ (seed leaves).

Step 2: The _____ (baby plant) inside the seed starts to grow and get bigger. It pushes open the seed coat, a bit like a chick hatching out of an egg! We say, the seed has **sprouted**. The _____ (tiny baby root) **begins to grow downward.**

Step 3: The radicle (baby root) gets bigger and gets many root hairs. It starts to _____ water and nutrients from the soil. The _____ (tiny baby shoot) **begins to grow upwards** towards the top.

Step 4: The root gets bigger and gets many root _____. It continues to absorb water and nutrients from the soil. The _____ comes out of the soil.

Step 5: _____ tiny leaves start to grow on the shoot.

Step 6: The root continues to grow downward and gets bigger and stronger. The cotyledons become _____as the leaves become bigger. Soon the leaves start to make their own food (_____) and the cotyledons fall off.