



Temperature Dependence of Germination



Necessary materials and tools:

petri dish, three pots, cotton wool, water, peas (fridge and infrared light)

Description of experiment :

We soak the peas in water and plant three into three small pots.

We put the one pot into the fridge, we leave another one in the room, and third is heated by infrared light.

Result:

Only peas left in the room are germinating.

Explanation:

External conditions of germination are the following:

- moisture (water)
- air (oxygen)
- appropriate temperature
- light – germs of most plants (e.g. wheat, corn) are indifferent to light. However, germs of pumpkin, for example, prefer darkness, on the hand, tobacco prefers light.