

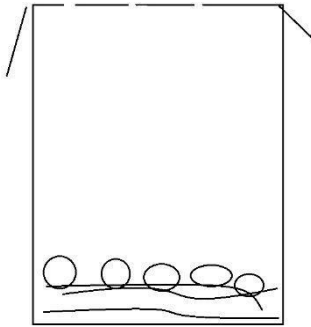
## Part I.

### *Germinated bean seeds.*

#### Preparation:

- 10 bean seeds,
- a jar lined with a damp paper towel,
- cling film for covering the jar.

Put a crumpled paper towel on the bottom of the jar. Pour a lot of water to cover the towels. Arrange the seeds at the bottom. They can not be completely immersed in water. Put the food foil on the cup so that the water does not evaporate. Make a few holes in it so that oxygen will have access to the seeds. We leave the seeds for 24 hours.



## Part II

### *Create an experience.*

#### Preparation:

6 germinated bean seeds,  
a liter jar with a cap,  
cork,  
cotton wool,  
glue,  
hard wire length of the jar

#### Method:

1. Glue the cork to the bottom of the jar.
2. Pierce one end of the wire through the jar cap and bend it.
3. Attach bean seeds to the wire, pushing it through the windows, set up in different directions.

*hint:*



this is a window (that's how it's called biologically)

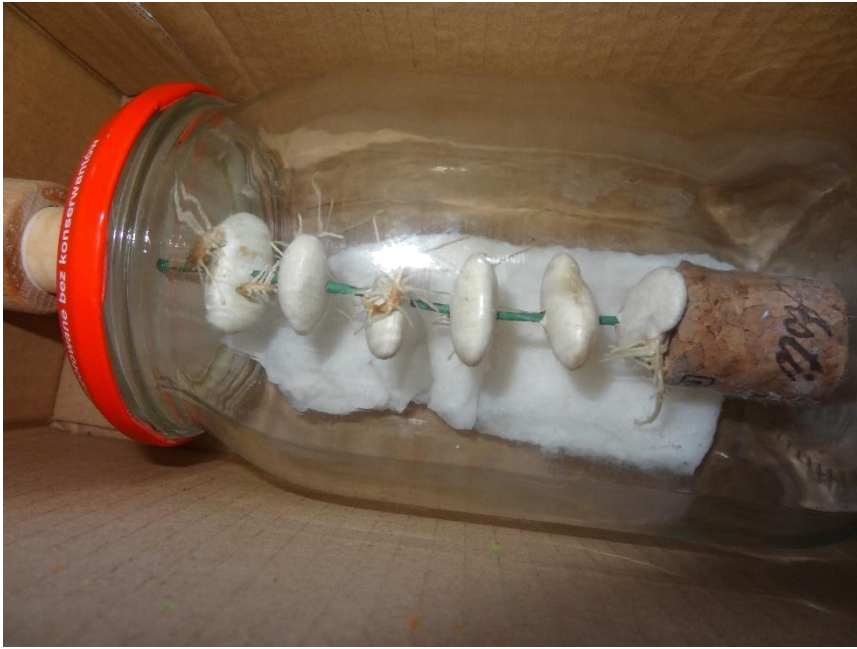
4. Put a little moistened cotton into the jar (along the wall of the jar).
5. Put the wire with the beans attached to it in the jar so that the other end of the wire sticks into the cork at the bottom of the jar.
6. Spin the jar.

*Hint:*



there is still a jar without cotton wool!

7. Place the jar on its side.



8. Do not unscrew the jar, observe the directions of root growth.
9. When the roots are 1 cm long, rotate the jar by 180°