

Biology

Delprov A3 och B

engelsk version

Årskurs

9

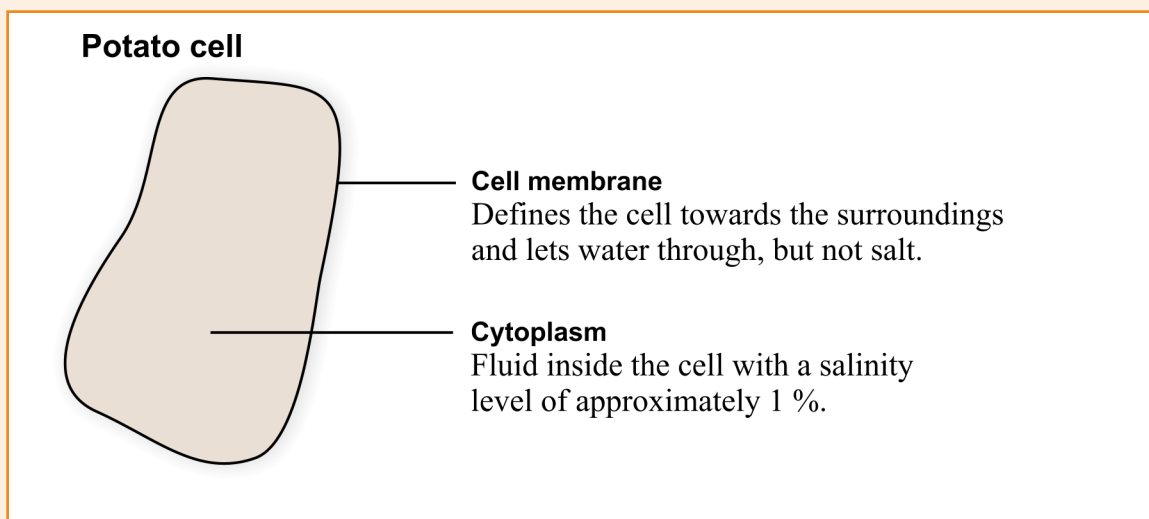
Elevens namn och klass/grupp

Systematic investigation in biology

Your task is to plan an investigation that you later will do and evaluate.

One example of an environmental factor is the salinity level in water. The salinity level affects organisms living in water. For instance, fish that are adjusted to live in freshwater cannot live in salt water since the salinity level negatively affects their cells.

You are going to investigate how potato cells are affected by solutions with different salinity level.

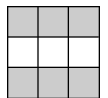


You have slices of potato and salt water with 10 % salinity that you will prepare yourself and salt water with 1 % salinity and deionized water (0 % salinity) that you will get from your teacher.

11. Planning phase (time: 30 minutes)

You are going to plan an investigation where you:

- present how you are going to weigh the salt sodium chloride and water you need to mix salt water with a salinity level of 10 %.
- are going to find out how the weight of the potato slices changes after staying in 10 % salt water, 1 % salt water and deionized water (0 % salinity).



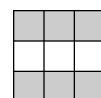
Comments from the teacher Use your own plan Use the prepared experiment instruction

Adjustments:

12. Investigation (time: 30 minutes)

You are going to carry out an investigation where you:

- mix salt water with a salinity level of 10 %.
- find out how the weight of the potato slices changes after staying in 10 % salt water, 1 % salt water and deionized water (0 % salinity).



In your investigation, you are going to:

- work according to your plan or the prepared experiment instruction.
- consider the safety instructions your teacher has informed about.
- take notes on your measurements.



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