

Cell Transport

Q1.a(2024,4)

A student studied the water plant *Elodea*.

The student used a light microscope to observe the cells of the plant in tap water and in a 10% salt solution.

Figure 3 shows *Elodea* cells in tap water and in a 10% salt solution.

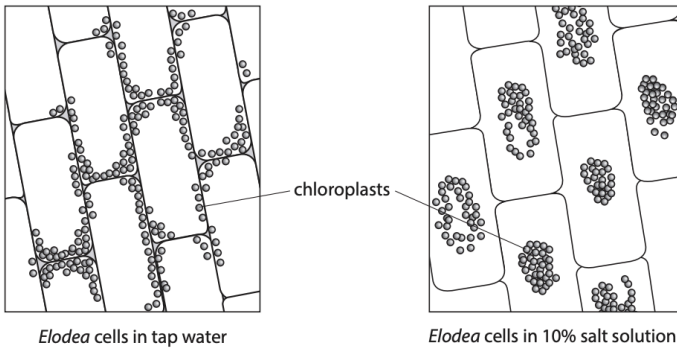


Figure 3

- (i) Describe **two** ways that the *Elodea* cells in the 10% salt solution are different from the *Elodea* cells in tap water.

(2)

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Q1.b(2024,4)

Explain why placing the *Elodea* cells in the 10% salt solution causes the changes seen in Figure 3.

(3)

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Q2.(2020,4)

- (ii) Glucose is made by photosynthesis.

Glucose is converted to another sugar to be transported in the plant.

What is the name of this sugar?

(1)

- ☐ A glycerol
- ☐ B ribose
- ☐ C sucrose
- ☐ D starch