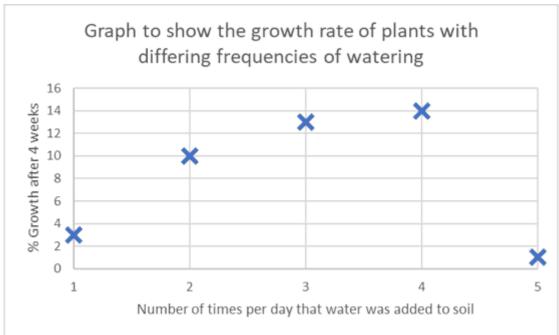


4.1.3.(2-3) Osmosis & Active Transport - Exam style question

Q1) A student did an experiment to see the effect of watering on the growth rate of garden plants. All other variables were carefully controlled. The experiment was also carried out by other students and produced very similar results.

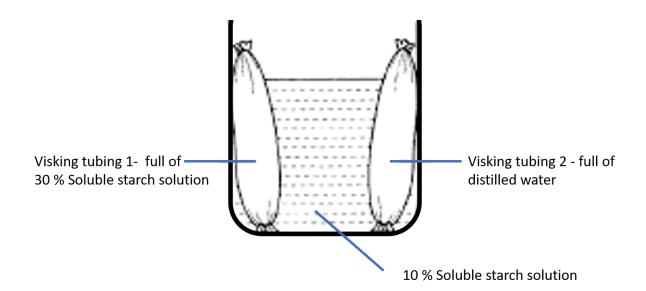


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4.1.3.(2-3) Osmosis & Active Transport - Exam style question

Q2) Students set up an experiment to investigate osmosis. Into a beaker of 10% glucose solution they placed two equal sized bags of semi-permeable dialysis tubing (visking tubing) filled with different concentrations of glucose solution and tied at both ends . (4 marks)



a) Describe and explain the results they will collect after one hour. (4 marks)						
b) Describe two examples in living things where osmosis is used. (2 marks)						



4.1.3.(2-3) Osmosis & Active Transport - Exam style question

Check the grade descriptors (unofficial) for this area of the specification. They are only a rough guide and can be difficult to interpret, but knowledge is power! https://sites.google.com/view/learnfix-glossary/grade-descriptors

4.1 Cell Biology 8-9 4-5 Fully describe the structure of Describe in detail the structure of Describe the structure of eukaryotes and Basically describe the structure of eukaryotes and prokaryotes and state State the difference between eukaryotes eukaryotes and prokaryotes and explain the function of their components eukaryotes and prokaryotes and Briefly explain the function of their components prokaryotes and identify their components their components Basically describe the structure of generalised plant and animal cells and state their components Fully describe the structure of generalised animal and plant cells and explain the function f their components Describe in detail the structure of anima and plant cells and Briefly explain the function of their components Describe the structure of generalised plant and animal cells and identify their components Describe the adaptations of specialised Explain how animal and plant cells are Briefly explain how animal and plant cells Basically describe the adaptations of State examples of specialised cells animal and plant cells Describe the differences between light specialised are specialised pecialised animal and plant cells Describe in detail the differences between light and electron microscopes Fully describe the differences between light and electron microscopes Basically describe the differences Label a diagram of a light microscope and electron microscopes between light and electron microscopes Describe how DNA is arranged in chromosomes and genes and the structure of DNA Basically describe the arrangement of DNA in chromosomes and genes and the structure of DNA as a double helix Explain how DNA is arranged in chromosomes and genes Briefly explain how DNA is arranged in chromosomes and genes State that the structure of DNA is a double helix Fully describe the process of mitosis and explain its part in the cell cycle Describe the process of mitosis and its part in the cell cycle Briefly explain the process of mitosis and Basically describe the process of mitosis State that mitosis produces identical ts part in the cell cycle Uses of stem cells - Not examined at Explain the potential uses of stem cells Briefly explain the potential uses of stem Describe the potential uses of stem cells Basically describe the potential uses of stem cells Fully describe the process of diffusion and explain how factors limit it Describe the process of diffusion and describe how factors limit it Define the process of diffusion Fully describe the process of osmosis and explain how factors limit it Briefly explain the process of osmosis and describe how factors limit it Describe the process of osmosis and describe how factors limit it Basically describe the process of osmosis The process of osmosis – Not examined at this level Fully describe the process of active transport and explain how factors limit it Briefly explain the process of active transport and describe how factors limit it and describe how factors limit it The process of active transport - Not Basically describe the process of active examined at this level