

Cell Transport Short Answer Questions

Short Answer

1. What is the difference between active and passive transport? (1 point)
2. Increased soil salinity (salt concentration) can be harmful to crops.
 - a. Describe what type of solution would form when rainwater mixes with soil (hypertonic, hypotonic, or isotonic). (1 point)
 - b. Draw a diagram that shows a cell in this environment. Show the movement of water with arrows. (1 point)
 - c. What problems could this cause? (1 point)
3. Draw a diagram of the phospholipid bilayer. Label a **transmembrane protein**, **polar (phosphate) head group**, and **fatty acid tails**. Also indicate which part of the membrane is **hydrophilic** and which is **hydrophobic**. (5 points)

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