

Name: Date: Student Expectations - Objective

Students will understand the relationship between the structure of a cell and its function, and how this relationship changes as the cell matures.

**Understanding:** cell structure, organelles, cytoplasm, nucleus, cytoskeleton, membrane, vacuole, cell wall.

Three Knowledge Questions (Are these BSCPE concepts covered?)

1. Suppose you were trapped in a sealed flask without access to fresh water. Which organelle would be the most helpful? Explain why or why not.

2. What do you think would happen if you released your cells into a salt water?

What would you

1. **Cell structure** is a term that describes the internal parts of a cell, such as the nucleus, cytoplasm, and membrane, which are the structures that control the cell's function.

The **Cell Structure** Gizmo helps you learn how the cell's internal parts work together to control the cell's function. (10)

3. Which organelle would be most helpful in a cell without a nucleus?

4. Which organelle would be most helpful in a cell without a nucleus?

5. What would happen if you released your cells into a salt water?



# Gizmo Osmosis Worksheet Answers

**D Kirk**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'D Kirk' text.

## **Gizmo Osmosis Worksheet Answers:**

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classification of angiosperms based on the types of cotyledon present angiosperms are divided into two classes they are monocotyledons and dicotyledons the dicotyledonous angiosperms have two cotyledons in their seeds and the

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they classified all the seed plants into 3 groups or classes i e dicotyledons 165 families gymnosperms 3 families and monocotyledons 34 families 4 they included disputed orders among ordines anomali which they could not place satisfactorily

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division angiosperms bear flowers as reproductive organs seeds develop inside fruit plant embryos in seeds have structures called cotyledons seed leaves further classification is based on single cotyledons monocotyledonous plants or two cotyledons dicotyledonous plants

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in any event in this new classification the basal angiosperms contain three superorders or five if one includes magnolianaes and ceratophyllanaes that are coordinate with the monocots also placed in their own superorder and ten additional superorders eudicots for a

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