

Cell Size

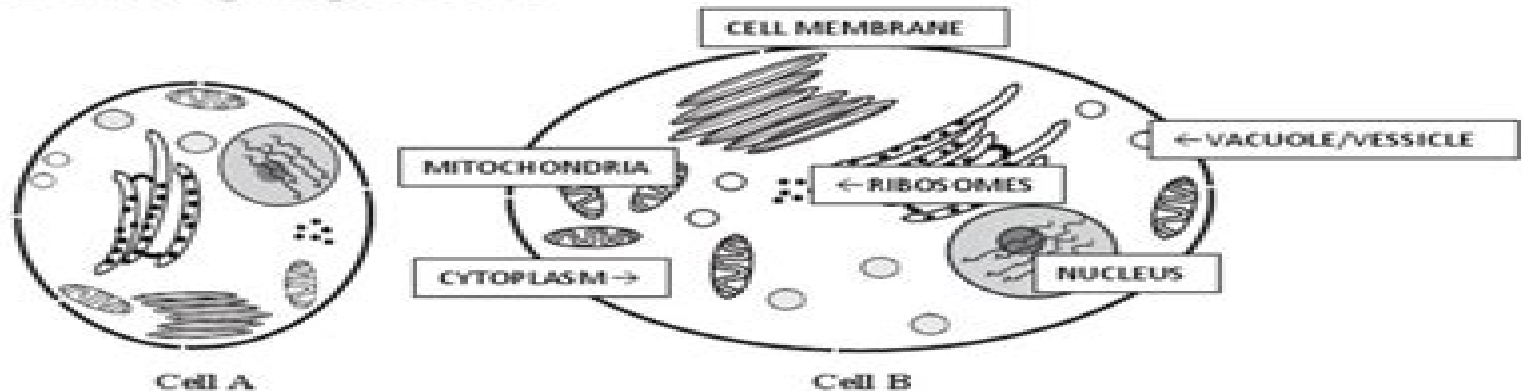
What determines the size of a cell?

64W

hy?

Sometimes bigger is better—tall basketball players, more closet space, and savings accounts may come to mind. What about cells? Does having big cells make an organism bigger or better? Would having larger cells be an advantage to an organism? If so, why do cells divide rather than continue growing? Maybe there is an advantage to being small.

Model 1 – Investigating Cell Size



1. Are the cells shown in Model 1 plant or animal cells? Explain your answer.

ANIMAL – NO CELL WALL, CHLOROPLAST, LARGE CENTRAL VACUOLE

2. Label Cell B in Model 1 with the following structures.

cell membrane

cytoplasm

nucleus

ribosomes

vacuole

mitochondria

3. Compare the smaller cell in Model 1 to the larger cell in Model 1.

a. Which cell has a larger surface area (more cell membrane surface)?

CELL B (LARGER CELL) HAS A LARGER SURFACE AREA THAN CELL A.

b. Which cell has more channels in its cell membrane that can transport molecules (nutrients, oxygen, and waste products) in and out of the cell?

CELL B (LARGER CELL) HAS MORE CELL MEMBRANE CHANNELS THAN CELL A.

Pogil Biology Answer Key Cell Size

M Lipman



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Pogil Biology Answer Key Cell Size Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the ability of words has are more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such is the essence of the book **Pogil Biology Answer Key Cell Size**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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