

Cell Size

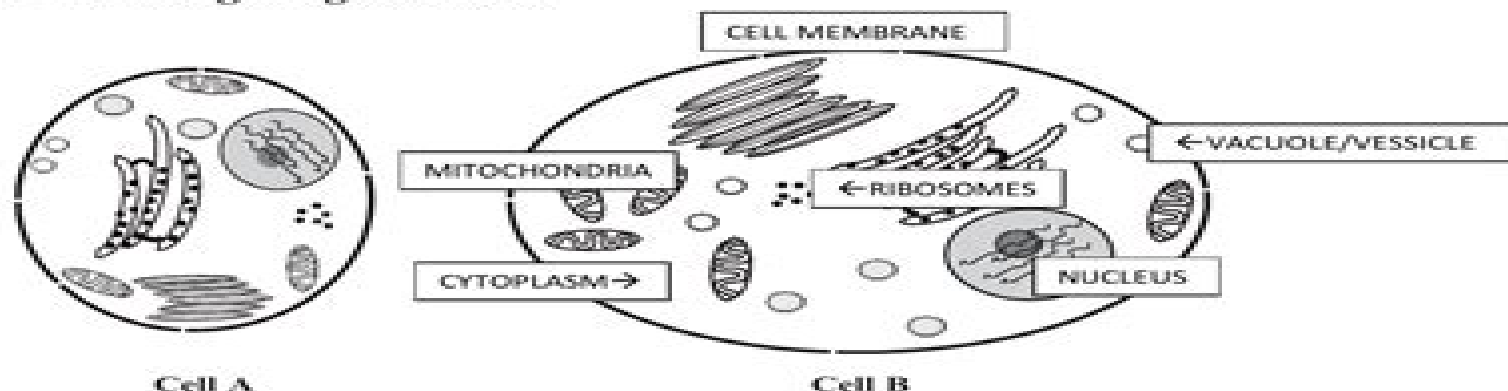
What determines the size of a cell?

Why

?

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.

Model 1 Investigating Cell Size

Albert A Gayle



Model 1 Investigating Cell Size:

The Enigmatic Realm of **Model 1 Investigating Cell Size**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Model 1 Investigating Cell Size** a literary masterpiece penned with a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

<https://staging.conocer.cide.edu/About/publication/Documents/gravity%20shapes.pdf>

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