**CHAPTER 9 CELLULAR REPRODUCTION OUTLINE QUIZ #1**

1. Name the three stages of a cell’s life cycle?
2. Cells continue to grow until they reach their \_\_a\_\_\_ when they then either stop \_\_\_b\_\_ or \_\_\_c\_\_\_.
3. Most cells are less than \_\_\_\_\_. (don’t forget units)
4. Cell size is limited by the ratio of \_\_\_a\_\_\_ to \_\_\_b\_\_\_.
5. The surface area of a cell is the area covered by the \_\_\_\_\_\_\_.
6. The volume is the \_\_\_\_\_\_ taken up by the inner contents.
7. Write the formula to calculate the surface area of a cube shaped cell?
8. What is the formula to calculate the volume of cube shaped cell?
9. The \_\_\_a\_\_\_ increases much faster than the \_\_b\_\_\_ when the cell grows.
10. When a cell’s \_\_\_a\_\_\_\_ ratio becomes too small or the cell becomes too \_\_b\_\_\_ the cell may have difficulty supplying \_\_\_c\_\_\_ and expelling ­­­­\_\_\_\_d\_\_\_.
11. \_\_\_a\_\_\_ cells manage the movement of substances more easily than \_\_\_b\_\_\_\_ cells.
12. The \_\_\_\_\_\_ controls the cellular transport between the inside and outside of the cell.
13. Once inside the cell, substances move by \_\_\_\_a\_\_\_\_ or by motor \_\_\_\_b\_\_\_ pulling them along the cytoskeleton.
14. Cell size also affects the ability of the cell to \_\_\_\_\_\_ instructions for cellular functions.

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