CELL GROWTH AND DIVISION
Answer the questions below. 1. What are two reasons why cells divide rather than continue to grow indefinitely?
a
b
2. Is the following sentence true or false? As a cell increases in size, it usually makes extra copies of its DNA
3. Circle the letter of what determines the rate at which food and oxygen in a cell are used up and waste products produced.
a. The cell's organelles
b. The cell's volume
c. The cell's location
d. The cell's DNA
4. How can you obtain a cell's ratio of surface area to volume?

5. If a cell's surface area is 6 cm3 and its volume is 1 cm3, then what is its ratio of surface area

6. Is the following sentence true or false? As a cell grows in size, its volume increases much

7. Circle the letter of what happens to a cell's ratio of surface area to volume as the cell's

9. How does cell division solve the problem of increasing size? \_\_\_\_\_\_

to volume? \_\_\_\_\_

a. The ratio decreases.b. The ratio increases.

c. The ratio remains the same.d. The ratio disappears.8. What is cell division? \_\_\_\_\_\_

more rapidly than its surface area. \_\_\_

volume increases more rapidly than its surface area.

Name \_\_\_\_\_\_ Date \_\_\_\_\_