

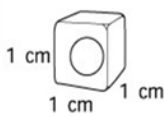
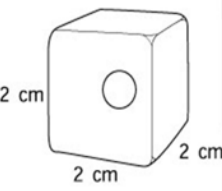
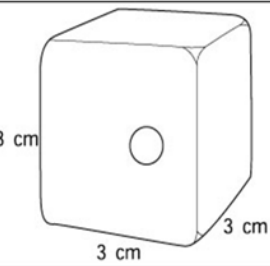


-Telophase

-Cytokinesis

18. What are sister chromatids held together by?
19. Name the 4 stages of Mitosis.
20. In which phase of Interphase does the DNA replicate?
21. What are the role of spindle fibers in the cell cycle?
22. Name 3 problems that cells have as they grow larger.

23. As the 1cm<sup>3</sup> cell increases in volume, the surface area/volume ratio \_\_\_\_\_ (increases or decreases).

<b>Cell Size</b>			
<b>Surface Area</b>			
<b>Volume</b>			
<b>Surface Area To Volume Ratio</b>			

<b>Formulas</b>
<b>Surface Area:</b> Length x Width x 6 sides
<b>Volume:</b> Length x Width x Height
<b>Surface Area/Volume Ratio:</b> Surface Area / Volume

24. What are cyclins?
25. When cells come into contact with one another, what (generally) happens?
26. What is the p53 gene?
27. What is cancer?
28. How does cancer affect the cell cycle?
29. Name 2 examples of regulators and what each does.
30. If the initial parent cell has 30 chromosomes in it, how many chromosomes will be in each resulting daughter cell at the end of the cell cycle?