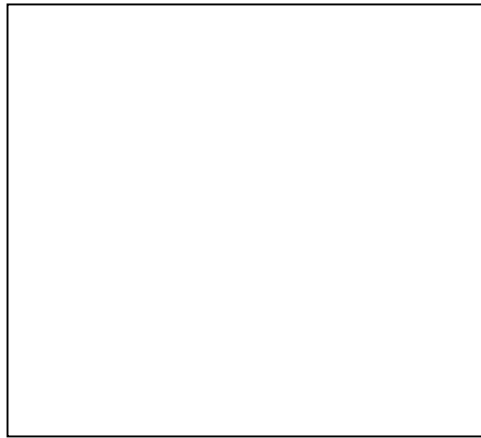


Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**Study Guide for the Cell Cycle Quiz**  
**7-3 Science**

1. What shape do strands of DNA have? \_\_\_\_\_ (p. 67)
2. What kind of walkway between floors in some houses has the same shape as DNA?  
\_\_\_\_\_ (p.67)
3. Draw an animal cell that is going through the mitosis stage of the cell cycle in metaphase:  
(p. 65)



4. During what phase of mitosis do the two new nuclei form? \_\_\_\_\_ (p. 64)
5. Doubled rods of condensed chromatin from the nucleus are called \_\_\_\_\_.  
(p.63)
6. Each identical strand of a chromosome is called a \_\_\_\_\_ (p. 63)
7. When the DNA code in a cell's nucleus doubles itself before mitosis, this is called the process of \_\_\_\_\_. (p. 62)
8. The structures, which move to each end of a cell during prophase in order to "pull" the twin copies of DNA apart, are called \_\_\_\_\_. (p. 65)
9. What is copied during the mitosis stage of the cell cycle? \_\_\_\_\_ (p. 63)
10. Each step (or "rung") of the DNA "ladder" is made of how many nitrogen bases?  
\_\_\_\_\_ (p. 67)
11. Name the four different nitrogen bases make up DNA. (p. 67)