Biolog	y 2 Review	Name:	
Quiz #		Date:	Hour:
1.	Make sure you know the order, phases and events of the	cell cycle.	
2.	2. Be able to recognize different phases of the cell cycle if given a drawing of the cell.		
3. What is the goal of cell division (that is, what is the end result)?			
4.	What are the cells produced by cell division used for?		
5.	What are the three main parts of the cell cycle?		

6. Sketch the cell cycle diagram.

- 7. During which phase of the cell cycle do individual chromosomes become visible?
- 8. Draw a pair of homologous chromosomes. Label the centromeres.

- What are homologous chromosomes? (This is an important concept!) Fill in the blanks below.
  a. They are chromosomes that come in \_\_\_\_\_\_.
  - b. For the chromosomes in each pair, you get one from your \_\_\_\_\_\_ and one from your \_\_\_\_\_\_.
  - c. They have the same \_\_\_\_\_\_, \_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_, \_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_\_\_, and carry genes for the same \_\_\_\_\_\_\_\_\_.

10. What are sister chromatids?

11. How many **total** chromosomes do humans have?