

Name \_\_\_\_\_

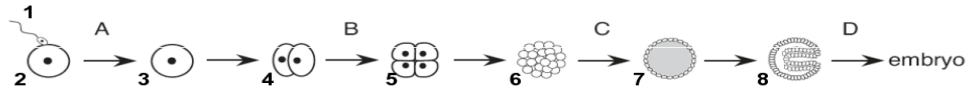
Period \_\_\_\_\_

Regents Biology

Date \_\_\_\_\_

### MEIOSIS & MITOSIS PRACTICE 2

Interpreting diagrams is an important skill in learning science. The following diagram illustrates some aspects of cell reproduction. Let's interpret the diagram by answering the questions.



1. Cell 1 is called a \_\_\_\_\_
2. Cell 2 is called a \_\_\_\_\_
3. Both Cell 1 & Cell 2 are in a class of special cells called \_\_\_\_\_
4. Both Cell 1 & Cell 2 were made by a special cell division process called \_\_\_\_\_
5. Explain the genetic purpose of that special cell division process that made Cell 1 & Cell 2.  
\_\_\_\_\_  
\_\_\_\_\_
6. Process A is called \_\_\_\_\_
7. Cell 3 is called a \_\_\_\_\_
8. Compare the number of chromosomes in Cell 3 to the number of chromosomes in Cell 1 and 2.  
\_\_\_\_\_  
\_\_\_\_\_
9. Process B that made many cells from one cell is called \_\_\_\_\_
10. Compare the cells in Structure 4 to the cells Structure 5 and 6. Explain your answer  
\_\_\_\_\_  
\_\_\_\_\_