

Goal • Use this page to help you learn about the stages of the cell cycle.

What to Do

Complete this worksheet while you read about the stages of the cell cycle. You do not have to add any notes to the shaded boxes.

Name of Cell Cycle Stage	Cell Activities	Nucleus Activities
Interphase		
Growth and preparation		
Replication		
Continued growth and preparation		
Mitosis		
Early prophase		
Late prophase		
Metaphase		
Anaphase		
Telophase		
Cytokinesis		

CHAPTER 5**The Cell Cycle****BLM 2-12**

Goal • Review terms and concepts about the cell cycle.

What to Do

Match the Statements on the left with the correct Phase on the right.
Each Phase may be used more than once.

Statement	Phase
_____ 1. nucleolus appears within each new nucleus	A. prophase
_____ 2. centromeres divide	B. metaphase
_____ 3. chromosomes become visible	C. anaphase
_____ 4. spindle fibres begin to form	D. telophase
_____ 5. DNA replicates	E. interphase
_____ 6. replicated strands move toward opposite poles	
_____ 7. chromosomes form a line across the middle of the cell	
_____ 8. nuclear membrane forms around each set of chromosomes	
_____ 9. cell grows	

10. Place a check mark (✓) under each phase in which you can see the structures listed in the first column.

Structures Present	Interphase	Prophase	Metaphase	Anaphase	Telophase
Nucleus					
Nucleolus					
Nuclear membrane					
Chromatin					
Chromosomes					
Spindle fibres					

11. Describe the end result of mitosis.
