Name Lab Manual Lab Dana		
Human Biology Lab Manual Lab Repo Laboratory Exercise 8: Cell Reproducti		
CELL CYCLE		
Activity 1: Match the phases of the cell	cycle with their descriptions.	
1.	5.	
2.	6.	
3. 7.		
4.	8.	
MITOSIS		
Activity 2: Identify the Phases of Mitosi	is	
(a) Label the phases of mitosis.	(b) Number the images of mitosis in the proper order.	
1.		
2. 3.		
4.		
MEIOSIS		
Activity 3: Identify the Phases of Meios	is	
(a) Label the phases of meiosis.	(b) Number the images of meiosis in the proper order.	
1.		
2.		
3.		
4.		
5.		
<u>6.</u> 7.		
8.		
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Activity 4: Comparison of Mitosis and	Meiosis	
	enn Diagram that compares the processes of mitosis and	
meiosis. Record your answers on the L		
A.		
B.		
C.		
D.		
E.		

Activity 5: Lab Review

1.	During what phase of the cell cycle does DNA replication occur?	
2.	In which phase of mitosis do the chromosomes align at the equator of the cell?	
3.	What term refers to a cell containing half the number of chromosomes?	
4.	What process during prophase I increases genetic variation?	
5.	Name the type of cell division described by diploid → diploid.	
6.	What type of gametogenesis produces only one viable cell?	
7.	If a parent cell has 24 chromosomes (2n=24), how many chromosomes does each daughter cell have at the completion of meiosis II?	
8.	In what phase do homologous pairs separate? Be specific.	
9	What term refers to the production of sperm?	