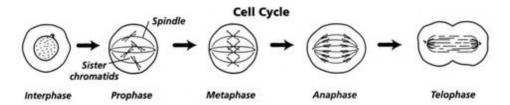
3.6 CELL CYCLE (MITOSIS) REINFORCEMENT WORKSHEET

Matching: match the term to the description (drag/drop or write the letter) D. Metaphase C. Telophase E. Anaphase A. Prophase **B.** Interphase **G.** Chromatid **F.** Centromere **H.** Spindle fiber _____ 1. The sister chromatids are moving apart. _____ 2. A new nuclear membrane is forming around the chromosomes. _____ 3. The cytoplasm of the cell is being divided. ____ 4. The chromosomes become visible. _____ 5. The chromosomes are located at the equator of the cell. _____ 6. The nuclear membrane begins to fade from view. _____ 7. The chromosomes are moving towards the poles of the cell. 8. The spindle fibers are formed. ____ 9. DNA is replicated. 10. During what phase of mitosis do centromeres divide and the chromosomes move toward their respective poles? _ 11. What is the phase where chromatin condenses to form chromosomes? 12. What is the name of the structure that connects the two chromatids? 13. In a chromosome pair connected by a centromere, what is each individual chromosome called? _ 14. What structure forms in prophase along which the chromosomes move? _ 15. The period of cell growth and development between mitotic divisions?

Standard: B-2.6 Name: _____

Mitosis Worksheet & Diagram Identification



 Chromosomes move to the middle of the spindle during what phase? 	
1. Chilomosomes move to the initiale of the spiritle autilia what phase?	

2.	What are sister chromatids? When do t	When do the separate?	separate?	
		A1 0		

3	During which n	hase do chromsomes	first become visible?	
J.	During which p	mase do chifolisomes	Ill St Decome visible :	

4. In muclticellular organisms, the cell cycle produces groups of cells that perform the same function. What are these groups of cells called?

Complete the table by checking the correct column for each statement.

Statement	Interphase	Mitosis
5. Cell growth occurs		
6. Nuclear division occurs		
 Chromosomes are distributed equally to daughter cells. 		
8. Protein production is high		
9. Chromosomes are duplicated		
10. DNA synthesis occurs		
11. Cytoplasm divides immediately after this period		
12. Mitochondria and other organelles are made.		

Name	Date	Period

Chromosomes and Meiosis Unit - Reinforcement Worksheet

Examine the table below. Fill in the missing information based on the numbers that are given.

Organism	Body Cell	Sex Cell
	Chromosome Number	Chromosome Number
Cat	38	
Onion		8
Guinea Pig	14	
Cow	60	
Chicken		39

Using the information above, complete the following table.

Organism	Sperm Chromosome #	Egg Chromosome #	Fertilized Egg Chromosome #	Chromosome # in each body cell of the offspring
Cat				•
Onion				
Guinea Pig				
Cow				
Chicken				