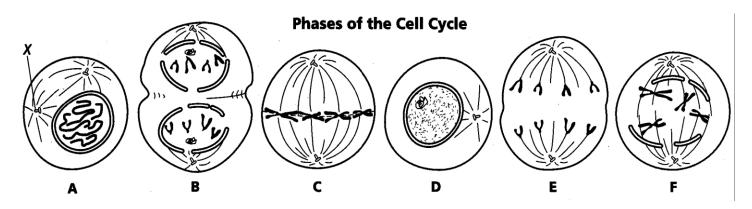
MITOSIS V	VORKSHEET	Name:
-----------	-----------	-------

Matching:	Match the	e term to th	ne description
1,14,00	Tracell tile		ie desempnon

I = interphase 1. The sister ch	P = prophase Maromatids are moving apart.	I = metaphase A 8. Animal cel	-	telophase	
	membrane fades from view.	9. The spindle			
around the c	ar membrane is forms. hromosomes sm of the cell is being divided.		Is line up along the equator	:	
5. The chromat	tin is found in the nucleus.	12. Cytokine	sis begins.		
6. The chromosomes are located at. the equator of the cell 7. The spindles disappear.			13. The cell plate in plants begins to form14. The reverse of prophase.		
Fill in the blanks of Interphase	using the word bank below Prophase	: Anaphase	Telophase	Metaphase	
Cytokinesis (2x)	Sister Chromatid	Centromere	Cell Plate	1	
n	In what phase does the cell baitosis?During what phase of mitosis respective poles?		<u> </u>		
20	. What is the phase where chro	omatin condenses to form	n chromosomes?		
21	. What is the name of the struc	cture that connects the tw	o sister chromatids?		
22	. In a chromosome pair connector chromosome half called?	cted by a centromere, wh	at is each individual		
23	. What is the step of cell divisi	on where 2 identical daug	ghter cells are formed?		
	. Which phase of the cell cycle naking organelles and copying		preparing to divide so it gr	ows in size	
25	. What forms across the center	r of a plant cell near the e	end of telophase?		
26	. What is the division of the cy	toplasm called?			
27	. During this phase chromoson	nes line up in the middle.			

Mitosis Worksheet

The diagram below shows six cells in various phases of the cell cycle. Note the cells are not arranged in the order in which mitosis occurs and one of the phases of mitosis occurs twice. Use the diagram to answer questions 1-7.



1) Cells A and D	show an early	and a late stag	ge of the same	phase of mitosis.	What phase is it?

- 2) Which cell is in metaphase?
- 3) Which cell is in the first phase of mitosis?
- 4) In cell A, what structure is labeled X?
- 5) Place the diagrams in order from first to last.
- 6) Are the cells depicted plant or animal cells? Explain your answer.
- 7) What is the longest phase of the entire cell cycle?
- 8) Why is mitosis important?