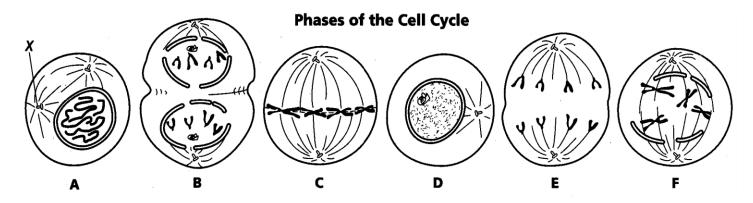
| <b>MITOSIS</b> | WORKSHEET | Name:     |
|----------------|-----------|-----------|
|                | " OILLEI  | i tuille. |

| Matching: Match th   | ne term to the description   |  |  |                    |  |
|--|--|--|--|--------------------|--|
| I = interphase1. The sister ch2. The nuclear3. A new nuclear around the c4. The cytoplase                        | P = prophase aromatids are moving apart. membrane fades from view. ar membrane is forms. hromosomes sm of the cell is being divided tin is found in the nucleus. somes are located at. of the cell | 9. The spir<br>10. Chroma<br>d11. Chroma<br>12. Cytoki | cells begin to pinch in.  dle is formed.  tids line up along the economes are not visible.  nesis begins.  dl plate in plants begins | •                  |  |
| Fill in the blanks of Interphase  Cytokinesis (2x)   | using the word bank belo<br>Prophase<br>Sister Chromatid   | Anaphase  Centromere                                   | Teloph<br>Cell Pla   | •                  |  |
| 18. In what phase does the cell begin to split the cytoplasm and daughter cells first become visible in mitosis? |  |  |  |                    |  |
|  | <ul><li>During what phase of mito respective poles?</li><li>What is the phase where ch</li></ul>   |  |  | move toward their  |  |
|  | . What is the name of the str  |  |  |                    |  |
|  | chromosome half called?  . What is the step of cell divi   | ·  |  | 1?                 |  |
|  | . Which phase of the cell cynaking organelles and copying  |  | is preparing to divide so  | o it grows in size |  |
| 25   | . What forms across the cent   | ter of a plant cell near th                            | e end of telophase?  |                    |  |
|  | . What is the division of the o  |  | ام   |                    |  |

## **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 stage 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?