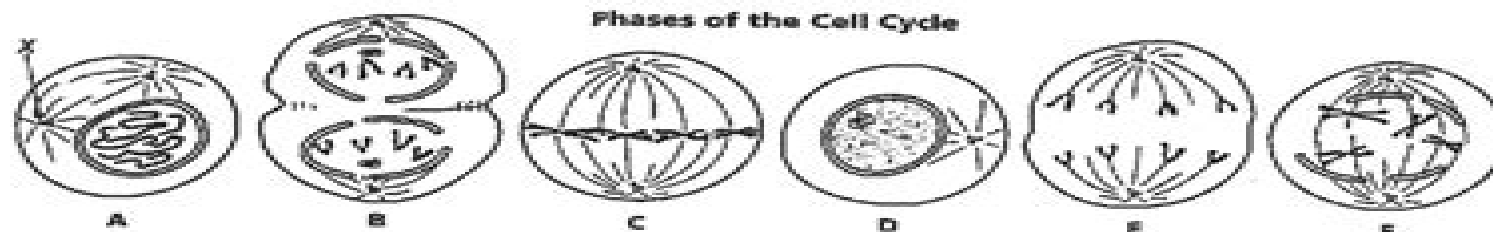


Name: Key
 Date: _____
 Period: _____

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 F show an early and a late stage of the same phase of mitosis. What phase is it?
 A - early prophase, F - late prophase
- 2) Which cell is in metaphase?
 C
- 3) Which cell is in the first phase of mitosis?
 A (if consider prophase 1st) but D (if consider interphase 1st)
- 4) In cell A, what structure is labeled X?
 Centrioles
- 5) Which cell is in the "in between" phase of mitosis?
 D (interphase, where the cell is being the cell it was created to be!)
- 6) Place the diagrams in order from first to last.
 A, F, C, E, B, D (some may put D first. Remember this is a cycle so how the order is viewed is subjective)
- 7) Are the cells depicted plant or animal cells? Explain your answer.
 Animal - round in shape
- 8) What is the longest phase of the cell cycle?
 D
- 9) Why is mitosis important?
 Allows cells to reproduce, making exact copies of themselves

Model The Cell Cycle Answer Key

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Pharmacology and the Nursing Process - E-Book Linda Lane Lilley, Shelly Rainforth Collins, Julie S. Snyder, 2014-06-16
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natural systems Chapters cover applied examples as well as modeling methodology **Just the Facts: Life Science, Grades 4 - 6** Steve Rich, 2007-01-01 With a solid foundation of basic science knowledge and a basic understanding of concepts and vocabulary students will be prepared for higher order thinking and inquiry based activities Back cover

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The Model Engineer and Practical Electrician , 1903 **Study Guide and Solutions Manual** Bruce A. Chase, Peter J. Russell, 2005-06 This student resource contains chapter outlines of text material solutions to all end of chapter problems key terms suggestions for analytical approaches problem solving strategies and a variety of additional questions for student practice Also featured are questions that relate to chapter specific animations and iActivities **The Molecular Basis of Cell Cycle and Growth Control** Gary S. Stein, 1999 The cell cycle is a complex series of events in the growth of a cell culminating in cell division This volume introduces the biological problem of cell cycle control within a historical context

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