**Mitosis Box Activity**

**(March 1, 2013)**

**Directions:**

 **1**. On the box outline on the back of this paper, draw each phase of the cell cycle

 into a separate box. There are 6 boxes, so there will be 6 pictures. The

 following are the pictures you will draw **and color**.

 **a**. Interphase.

 **b**. Prophase.

 **c**. Metaphase.

 **d**. Anaphase.

 **e**. Telophase.

 **f**. Completed cytokinesis (2 daughter cells).

 **2**. It doesn’t matter which pictures you put in which squares.

 **3**. You can use a little creativity in making the cells, and if you need help

 visualizing the stages, use your books

 (**Honors**: page 246; **College-Prep**: page 213).

 **a**. In the college-prep book, there is no picture of completed

 cytokinesis (2 separate daughter cells). Since the daughter cells

 are in interphase after cytokinesis, you can draw the same cell

 that you drew for interphase, except make it smaller and there

 should be two of them (identical to each other).

 **4**. Your coloring scheme should be consistent throughout the pictures

 (cytoplasm the same color, chromosomes the same, etc.).

 **5**. Draw any important details about that phase in your drawing. **DO NOT**

 **PUT ANY LABELS ANYWHERE, ON ANY DRAWINGS**. You will be marked

 down if there are any labels on your pictures.

 **6**. With a pair of scissors, cut around the perimeter of the flattened box.

 Be sure to only cut around the outer edges. The inside lines are

 for the folds when you put the box together.

 **7**. Tape the box securely. Try not to crunch it up.

 **8**. Once you have finished your box, your teacher will roll the box and you

 must be able to say what phase is showing and what’s happening in that phase. You will have to roll the “dice” 3 times.