

Name \_\_\_\_\_ Block \_\_\_\_\_

## Mastering Biology Website Activity

### Campbell Biology – Ch. 12 The Cell Cycle

#### Instructions:

1. Log onto [www.masteringbiology.com](http://www.masteringbiology.com) (Use the current class login and password)
2. Click on “Explore the Study Area” on the menu of options.
3. Select “Chapter 12: The Cell Cycle” from the drop-down menu at the top of the page. Click GO.
4. Complete the following activities and write down your answers below.

#### A. Activity: The Cell Cycle

What are the answers to:

- Question 1:
- Question 2:
- Question 3:
- Question 4:
- Question 5:
- Question 6:
- Question 7:

#### B. Investigation: How Much Time Do Cells Spend In Each Phase Of Mitosis?

1. Read the first 2 slides.
2. On slide 3, follow the instructions and use the slide photo and Lab Notebook to conduct the investigation.
3. Fill in the Lab Notebook and answer the questions.

#### Lab Notebook:

Phase	Number of Cells	Percent of Cells	Time (in minutes)
Interphase			
Prophase			
Metaphase			
Anaphase			
Telophase			
Total number of cells			

- Question 1:
- Question 2:
- Question 3:
- Question 4:
- Question 5:

#### C. Activity: Causes of Cancer

Body part affected by these carcinogenic compounds:

- Estrogen:
- Testosterone:
- Smoking:
- Viruses:
- UV Light:
- Fat: