Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_ Binder #\_\_\_\_\_\_\_\_\_\_

University of Utah

Mouse Cloning Lab

***Directions:***

-Go to the website: <http://learn.genetics.utah.edu/content/tech/cloning/clickandclone/>

-Follow the “Click and Clone” directions to clone Mimi the mouse

-Answer the questions as you complete the assignment

1. Step #1:

1a-Which mouse provides the somatic cell?

1b- Which mouse provides the egg cell?

1. Step #2:
2. Step #3

3a: The nucleus from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_cell is transferred to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Step #4:

4a- What was the purpose of waiting before beginning step #5?

4b- What is the name of the “ball” or 16 cells that is now in the petri dish?

1. Step #5:
2. Step #6:
3. Who is genetically the mother and father of the newly cloned mouse pup?