How do you clone a living organism?

Go on this website: <http://learn.genetics.utah.edu/content/tech/cloning/clickandclone/>



1. Click on Mimi to start the experiment. List below the tools you will use:

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Proceed to the first step. Where do the cells you harvested come from?

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Proceed to the second step. What do you do with the egg cell form the black mouse?

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Proceed to the third step. Explain what you do.

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Why do we need to wait after the nucleus transfer?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………

1. Proceed to the fourth step. What do you obtain at the end of this step?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Proceed to the fifth step. In which mouse have you implanted the embryo?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Deliver the baby mouse. What is the color of the mouse? Why?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Why can we say the baby mouse is a clone of Mimi?

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………………………………………………………………………

1. Do you know which mammal was first cloned in 1996? If not do a research.

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Make a drawing to sum up the experiment.