Virtual DNA Extraction Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Forensics 352 – O’Dette Date \_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_

Go to the following website: <http://learn.genetics.utah.edu/content/labs/extraction/> and click on start lab.

1. Why do scientists isolate DNA?
2. Where is the DNA located? How many meters long is each DNA in one cell?
3. Where are the cells collected from the test subject?
4. What is the first step to purify DNA?
5. What is the second step to purify DNA?
6. What are the two important ingredients to lysis solution and what is each ingredient’s function?
7. What is the third step to purify DNA?
8. After the warm bath, what solution do you add to the DNA? What does the solution do?
9. What is the fourth and final step to purify DNA? What equipment is used?
10. Draw a picture of the tube after the fourth step. Label what is in the tube.
11. How is the DNA isolated?