

Virtual DNA Extraction Lab

Last Name _____, First _____ per _____

Go to google and type "DNA extraction" into the search window. Choose the DNA extraction virtual lab from the university of Utah. Start the lab and answer the questions as you progress through the lab.

1. Give three reasons why scientists isolate DNA

2. About how long would a DNA molecule from a human cell be? _____
3. Where would you find DNA inside a cell? _____
4. From where will cells be collected for this extraction? _____
5. Write the 4 general steps you will take to isolate DNA.

6. There are 11 materials that you will need to extract DNA. What will you use the buccal swab for? _____
7. What do you see on the swab after you use it? _____
8. Where will you place the end of the swab after you cut it off? _____
9. What is the first solution you will add to the tube containing the swab? What tool will you use to add the solution? _____
10. What does the Greek word "Lysis" mean? _____
11. Where do you place the tube after you add the lysis solution? _____
12. What 2 important ingredients does the lysis solution contain? and What does the lysis solution do to the cells?

13. What does the salt solution do when you add it? _____

14. Why do you add isopropyl alcohol? _____

