

Gr. 12 Biology – DNA Extraction

Date: _____ Name: _____

Online DNA Extraction

Go to <http://learn.genetics.utah.edu/content/labs/extraction/>

You will complete this online simulation lab as “practice” for an in-class DNA extraction lab. It will also give you an inside-view into what is going on with each step.

1. (a) Name three reasons the lab gives for why DNA is extracted from human cells.

(b) Name two additional ways you think DNA extraction from human cells might be useful.

2. As you complete the simulation fill in the chart on **page 2** with lists of equipment you use as well as the steps you take to complete the extraction.

3. What are some questions you had during the lab simulation? (2-3) Were any of these questions answered throughout the simulation? If so, write the answers. If not, search online for a possible answer to one of your questions.

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4. Next we will be completing an in-class strawberry DNA extraction lab. Briefly list what you expect to be similar to the online simulation and what you expect to be different (2-3 each).

2 (CONT.)

Equipment / Tools	Steps / Procedure