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**DNA Extraction Virtual Lab**

This animation will allow you to learn a little about DNA extraction and then run a virtual DNA extraction lab. http://learn.genetics.utah.edu/content/labs/extraction/

1. Why do we need to extract human DNA?
2. When we extract DNA what do we purify it from?
3. What is the source of DNA?
4. How much DNA is in each cell?
5. What are the 4 steps of DNA extraction?

a.

b.

c.

d.

1. What is an easy way to collect cells for a paternity test?
2. Where is the cell (what organelle) is the DNA?
3. What does the detergent in the lysis solution do?
4. What is the name of the enzyme used in the lysis solution? What does it do?
5. What will salt do?
6. What is the purpose of using the certrifuge?
7. What is the purpose of the isopropyl alcohol or ethanol?
8. What can you do after you extract the DNA?