DNA Extraction (glue or tape in lab notebook)

## **Procedure:**

- 1. Obtain a small cup of salt water. Swish the salt water in your mouth for 2 minutes. Make sure to scrape the insides of your cheeks with your teeth while you swish.
- 2. Spit the water back into the cup.
- 3. GENTLY add a few drops of concentrated detergent to your spit water solution. Swirl without making bubbles. The detergent lyses cell membranes to release your DNA into the solution.
- 4. Sprinkle a little bit of meat tenderizer on your solution (this also helps to lyse cell membranes).
- 5. Carefully pour your solution into a test tube until the test tube is HALF full.
- 6. Mr. Stone will pour icy-cold 99% ethanol onto your solution.
- 7. Observe for 5 minutes and record observations below.

Jbservations:	Observations:
Sketch the test tube and its contents below. Label the separate layers of water and ethanol and the DNA that precipitates (becomes solid).	Sketch the test tube and its contents below. Label the separate layers of water and ethanol and the DNA that precipitates (becomes solid).
Nhy don't the ethanol and water layers mix?	Why don't the ethanol and water layers mix?

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