Biology 9- Unit 5: DNA Extraction Lab Procedure

**Read through the procedure, and assign a group member for each of the following tasks.**

* Measure out 50 mL of warm water at the sink with a graduated cylinder prior to adding it to the Ziploc.
* Measure out 30mL of cold alcohol with a graduated cylinder prior to adding it to the Ziploc.
* Read the directions slowly and clearly to team members.

1. Place a half of a banana into a Ziploc bag. Press the air out and seal it.
2. Carefully squish the banana for about 2 minutes until it is mushy.
3. Add a few squirts of soap, a pinch of salt, and 50mL of warm water.
4. Mush again for 1 minute, and then let stand for 10 minutes. **Work on post lab questions in your notebook while you wait. You can work together as a group, but each member should be recording the responses in their individual notebooks.**
5. Filter mixture through a coffee filter into a beaker. Make sure nothing falls out, and the filter does not break open.
6. When done filtering, throw out the coffee filter and the banana remains left in it.
7. Slowly pour about 30mL of cold alcohol into the cup.
8. After DNA replication notes, spool the DNA on your wooden stick to examine it, and answer final post lab question.

Biology 9- Unit 5: DNA Extraction Lab Procedure

**Read through the procedure, and assign a group member for each of the following tasks.**

* Measure out 50 mL of warm water at the sink with a graduated cylinder prior to adding it to the Ziploc.
* Measure out 30mL of cold alcohol with a graduated cylinder prior to adding it to the Ziploc.
* Read the directions slowly and clearly to team members.

1. Place a half of a banana into a Ziploc bag. Press the air out and seal it.
2. Carefully squish the banana for about 2 minutes until it is mushy.
3. Add a few squirts of soap, a pinch of salt, and 50mL of warm water.
4. Mush again for 1 minute, and then let stand for 10 minutes. **Work on post lab questions in your notebook while you wait. You can work together as a group, but each member should be recording the responses in their individual notebooks.**
5. Filter mixture through a coffee filter into a beaker. Make sure nothing falls out, and the filter does not break open.
6. When done filtering, throw out the coffee filter and the banana remains left in it.
7. Slowly pour about 30mL of cold alcohol into the cup.
8. After DNA replication notes, spool the DNA on your wooden stick to examine it, and answer final post lab question.