



6. Pour the mashed strawberries with the DNA extraction buffer into the cheesecloth and let drip into the bottom of the beaker. This takes about 10-15 minutes.

As you wait for your solution to filter, answer the following questions in complete sentences:

**Part I: Questions**

a. What was the purpose of mashing up the strawberry?

---

b. What does the extraction buffer do? (Hint: Extraction buffer contains soap. What does soap do when you wash your hands?)

---

c. What does the filter do?

---

**Part II: Pipetting the Strawberry Extract into the Alcohol**

7. Pour the liquid from the beaker into the test tube until it is half filled.

8. Using a pipette, add 1 mL of ice cold ethanol ( $C_2H_5OH$ ) into the test tube.

9. Very gently invert the tube once or twice. **DO NOT SHAKE THE TUBE!** Let the tube remain undisturbed.

10. Watch for the development of several large air bubbles that have a white cloudy substance attached to them.