

# Strawberry DNA Extraction

1. Remove the leaves from the strawberry.
2. Place the strawberry in the Zip-loc bag.
3. Mash and squish the strawberry for about 2 minutes. Be careful not to tear the bag.
4. Measure out 10mL of the extraction buffer using the graduated cylinder, then rinse the graduated cylinder.
5. Open the bag and add 10mL of the extraction buffer into the plastic Zip-loc bag.
6. Remove as much air as possible and seal the bag back again.
7. Mash the strawberry in the bag again for about 1 minute.
8. Set up your filtration apparatus by placing the coffee filter upside down over the top of the beaker.
9. Slowly pour your strawberry slurry onto the coffee filter and let it drain down into the beaker.
10. After about 5 minutes, remove the coffee filter and dispose of it in the trash can.
11. Measure out 20 mL of isopropyl alcohol using the graduated cylinder and slowly pour into the beaker and observe. Record your observations down on your student answer sheet.
12. Slowly dip the popsicle stick into the beaker and pull it slowly back out. Record your observations down on your student answer sheet.
13. Rinse out the 50 mL beaker (not the extraction buffer), graduated cylinder, and be sure that the area is clean and ready for the next group.