

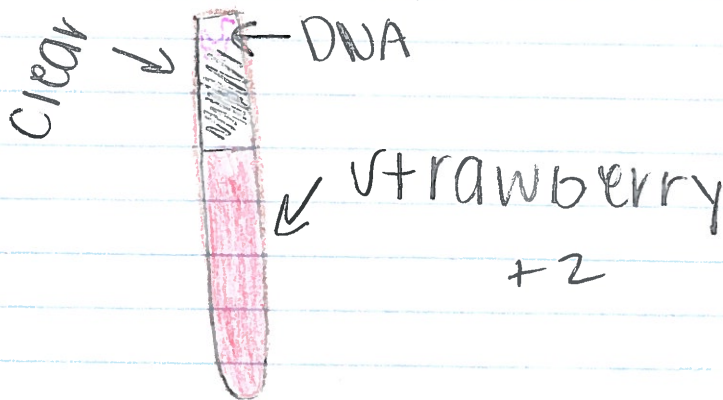
Strawberry DNA Extraction

purpose: to extract and observe the DNA from a strawberry.

Data:

Substance	Observation	Purpose
Buffer - soap - salt	<ul style="list-style-type: none"> • 100ks red and liquidy • 100ks like hawiiian punch 	Soap: breaks down phosphate-lipids Salt: pokes hole in cell wall
91% isopropyl alcohol	<ul style="list-style-type: none"> • has 2 layers red on bottom • dna floating to top 	seperates the DNA from the strawberry
DNA	<ul style="list-style-type: none"> • a huge strand of bubbles connected or clumped together. 	1. make copies of cells 2. to store information

*Sketch + color your test tube.

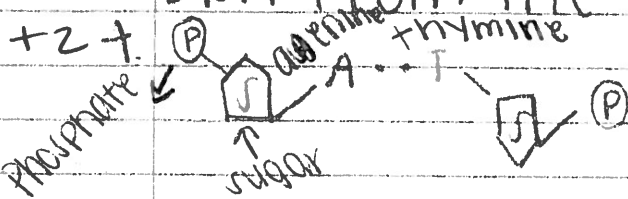


Summary Questions

+21. the role of the soap is to break down the phosphate.

+22. the purpose is to put holes in the cell wall

+23. the alcohol is used to separate the DNA from the strawberry



+25. the appearance of my dna sample is in a test tube, it has 2 layers.

+26. the 4 nitrogen bases of DNA are ATCG

+27. the base pairing rules of DNA are
 - A with T
 - C with G

