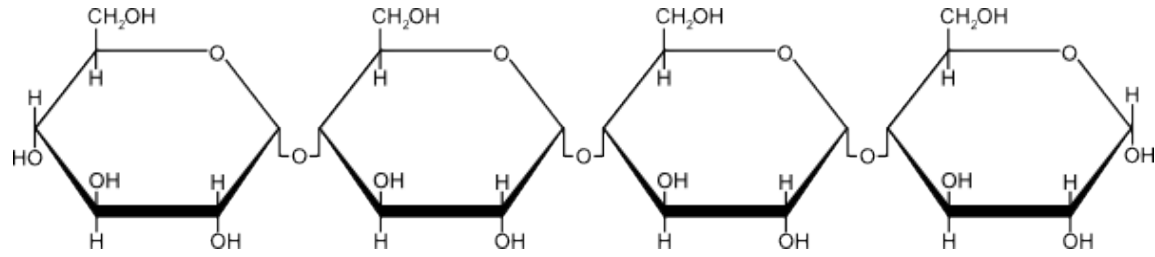


Spit Lab

Macromolecule

Carbohydrate

Starch

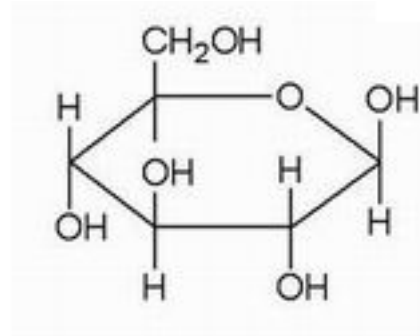


Polysaccharide

Monomer

Glucose

Monosaccharide



Indicators

- Iodine tests for the presence of starch
- Light brown = no starch
- Dark purple or black = starch

Indicators

- Glucose test strips test for the presence of glucose
- (Insert the specific color scale here)



Negative



Small amount
of glucose



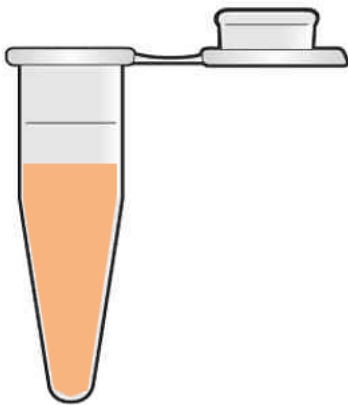
Medium amount
of glucose



High amounts
of glucose

How to make a spit tube: Demonstration

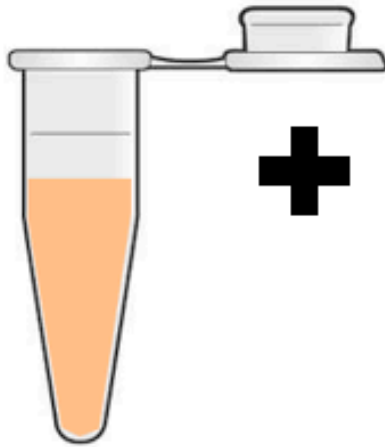
- Keep cracker in your mouth until it is runny
- No chunks
- Very wet with spit
- You will want to swallow it, but don't!



Part 1: Test for starch

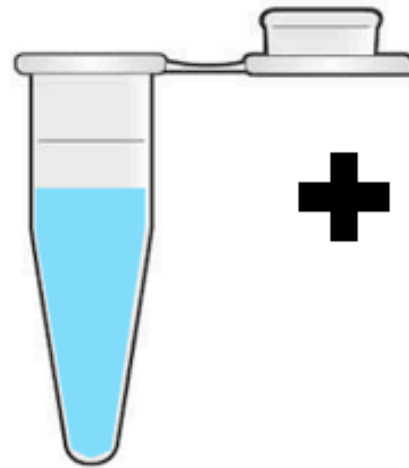
Set up

Cracker crumbs
and water (1 ml)



+ Iodine

Spit only (at least 1 ml)

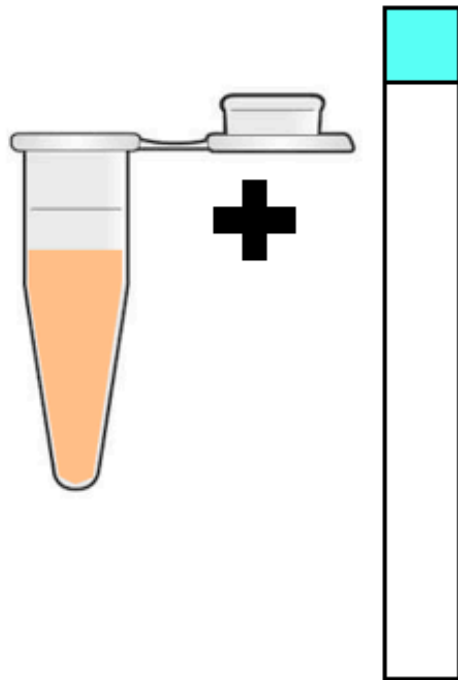


+ Iodine

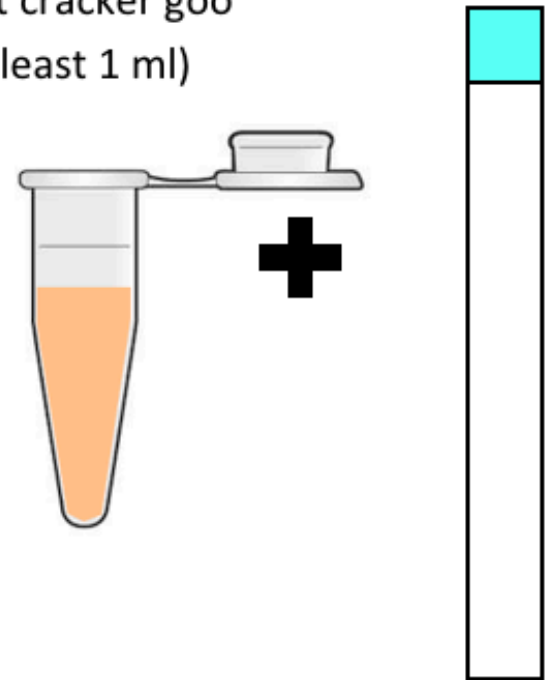
Part 2: Test for sugar

Set up

Cracker crumbs
+ water (1 ml)



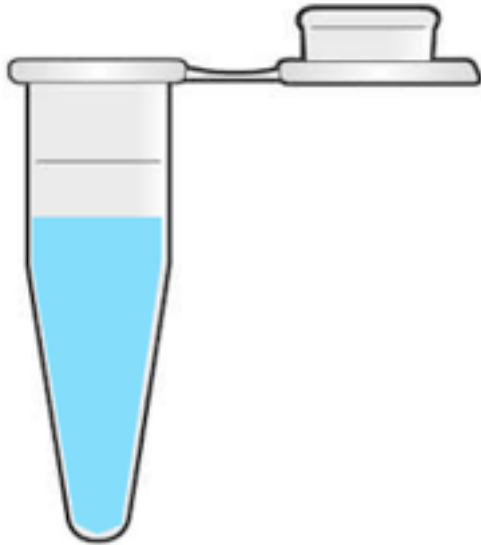
Spit cracker goo
(at least 1 ml)



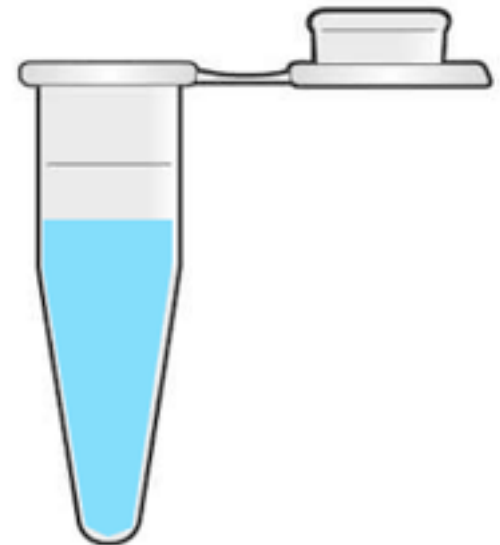
Part 3: Effect of temperature

Set up

Boiling: Spit only



Ice: Spit only





Negative



Small amount
of glucose



Medium amount
of glucose



High amounts
of glucose

