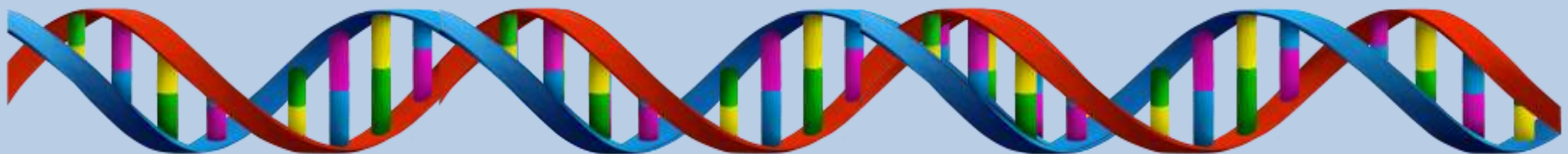


- 1. Why are polymers important for life?**
- 2. What happens to the bonds in a molecule during a chemical reaction?**
- 3. What do we use to test if a molecule is present in a solution?**



Macromolecules

- **Show me your monomers!**

Macromolecules

- **1 min: review your unit objectives, make sure you can answer 11-13**

Macromolecules

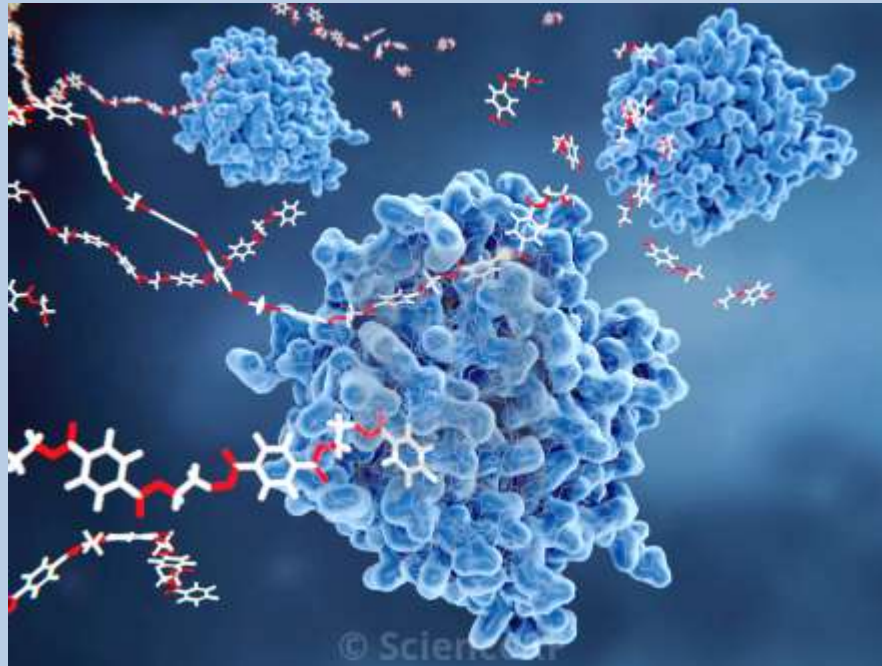
- **Molecule Indicator Lab is DUE MONDAY**
- **Conclusions (CER for each solution):**
 - **Claim**
 - **Evidence**
 - **Reasoning**

Logistics

- **Unit 1 Assessment is on Thursday, October 3rd**
- **Covers chapters 1-2**

Enzymes

- Enzymes are **proteins** that help chemical reactions take place.

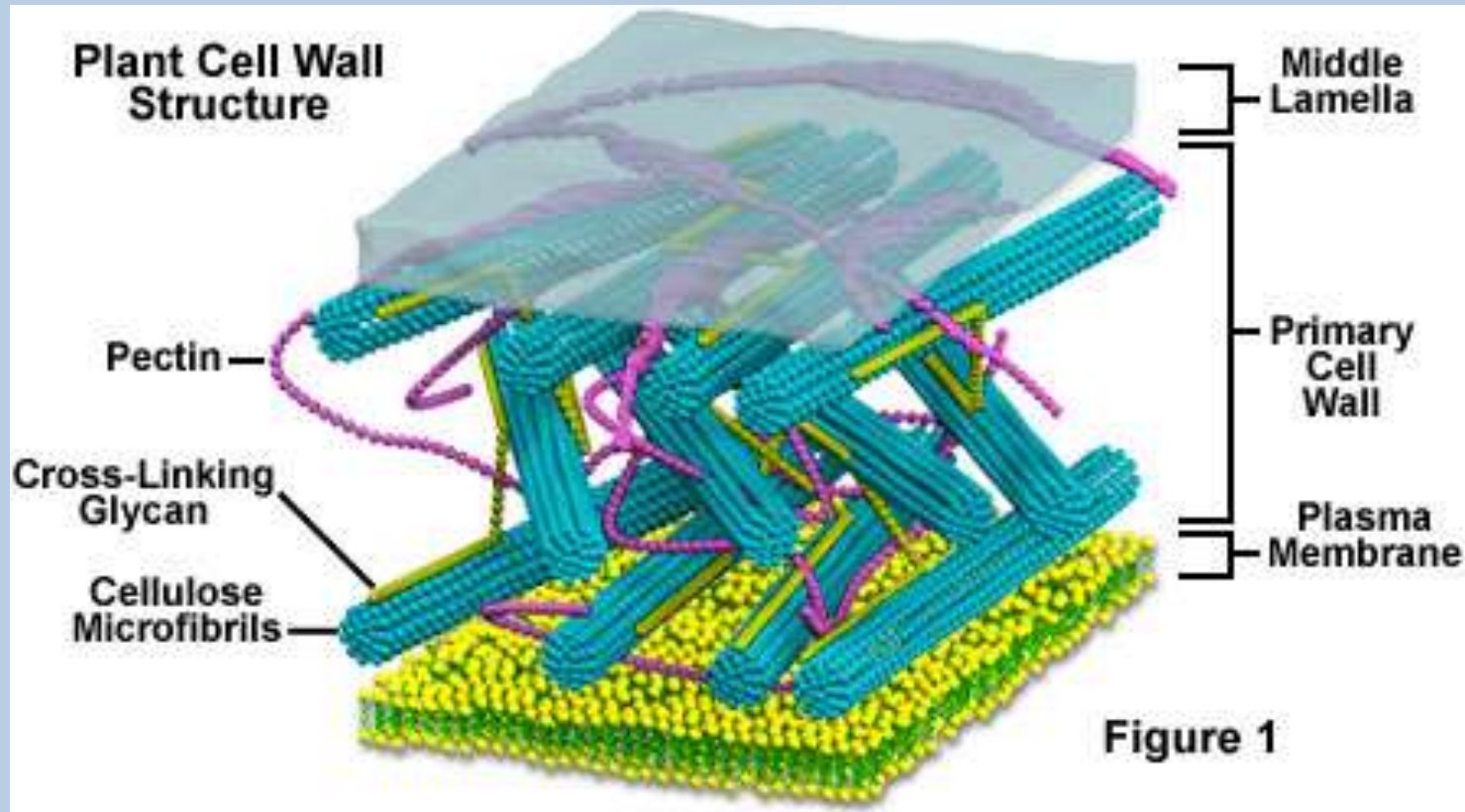


Enzymes in Action

- **Today we will be experimenting with two enzymes; pectinase and lactase**

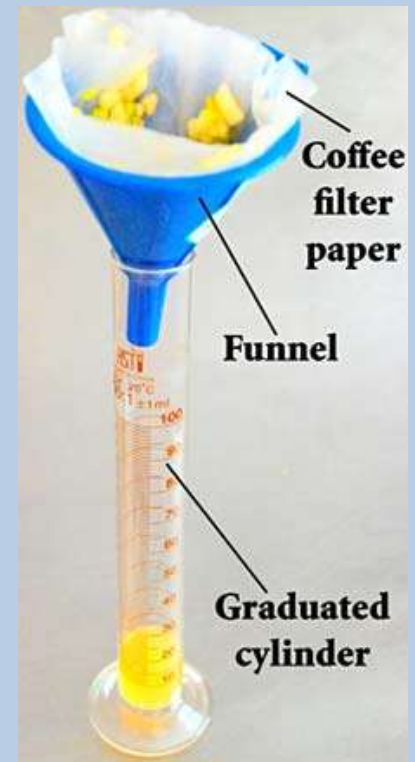
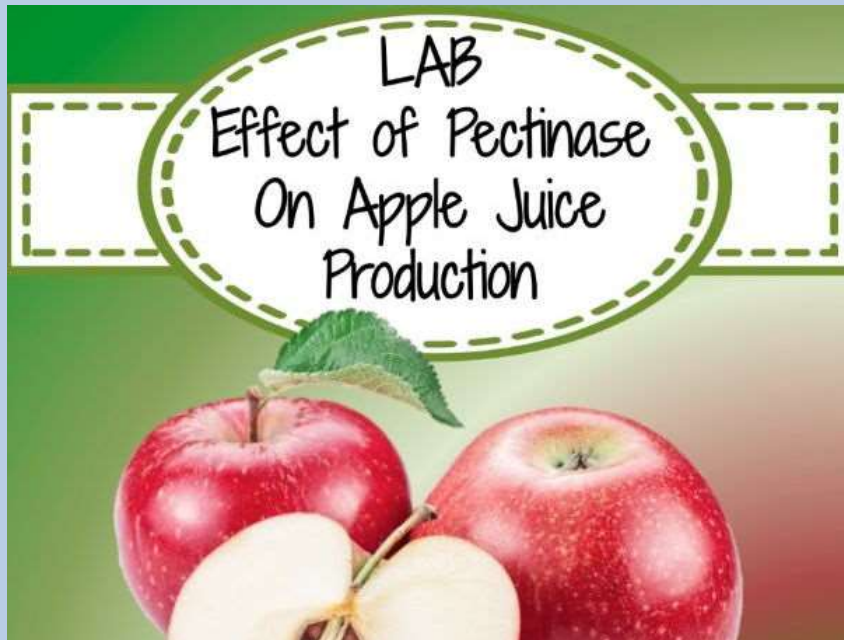
Enzymes in Action

- Pectin is a polysaccharide that is part of the cell wall in plants



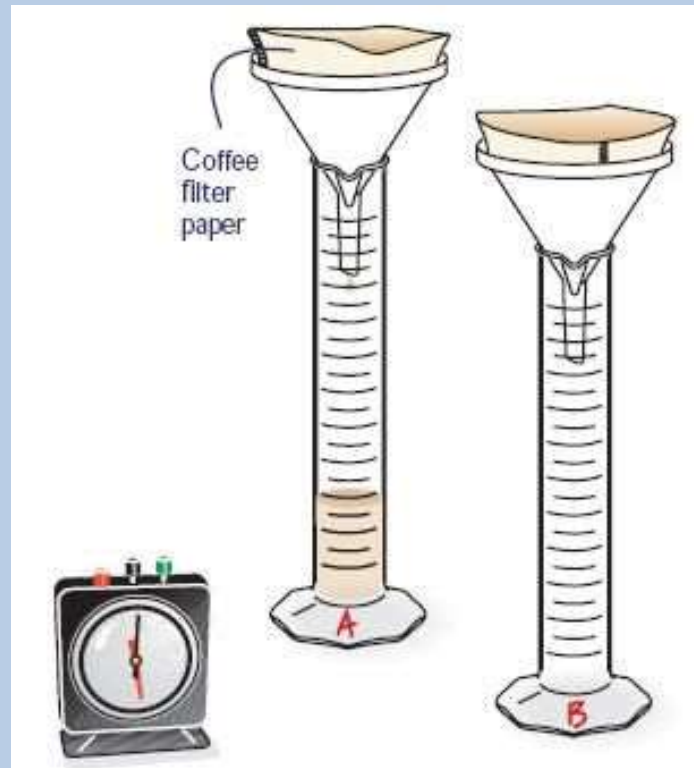
Enzymes in Action

- To see how enzymes affect reaction rate we will be observing the creation of apple juice with and without pectinase



Enzymes in Action

- In your table groups, predict; which will make the most juice, with or without pectinase? WHY?

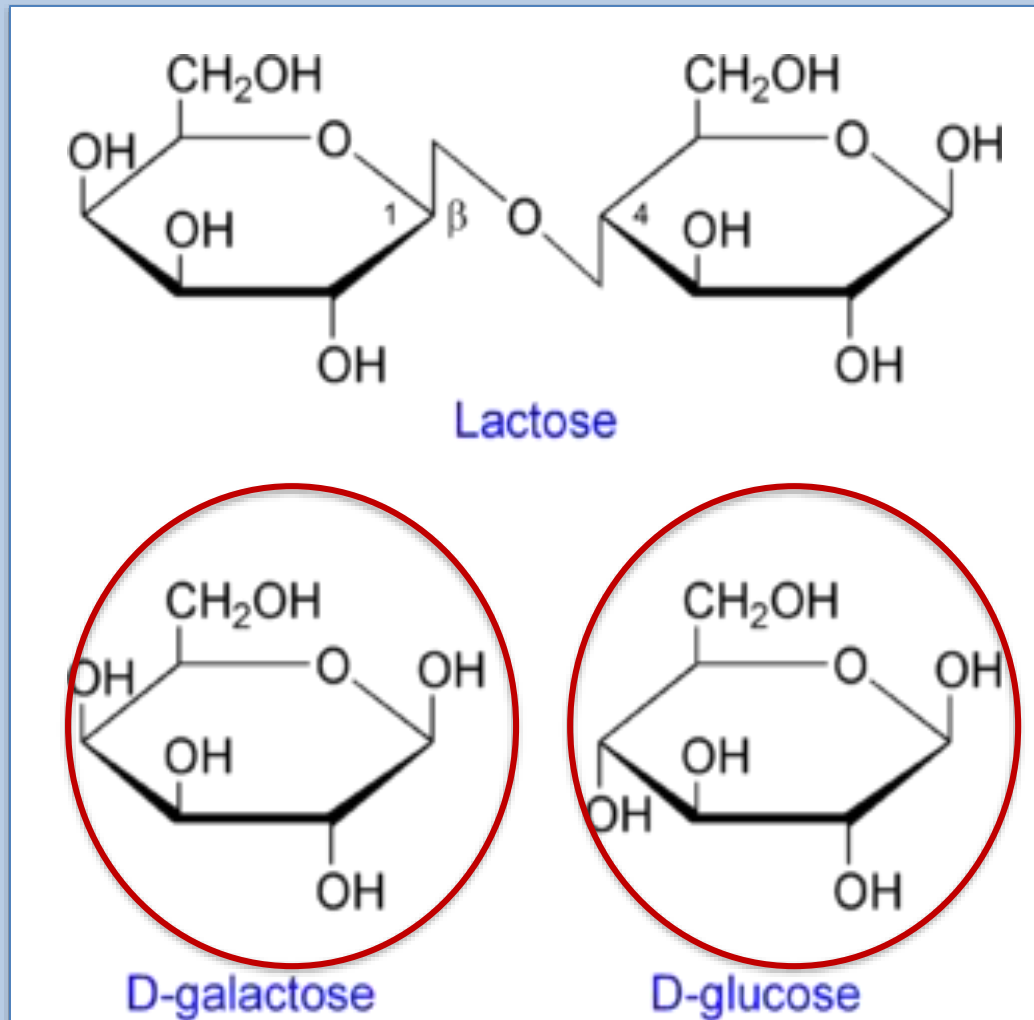


Enzymes in Action

- In lab groups you will be conducting another experiment to test the function of lactase

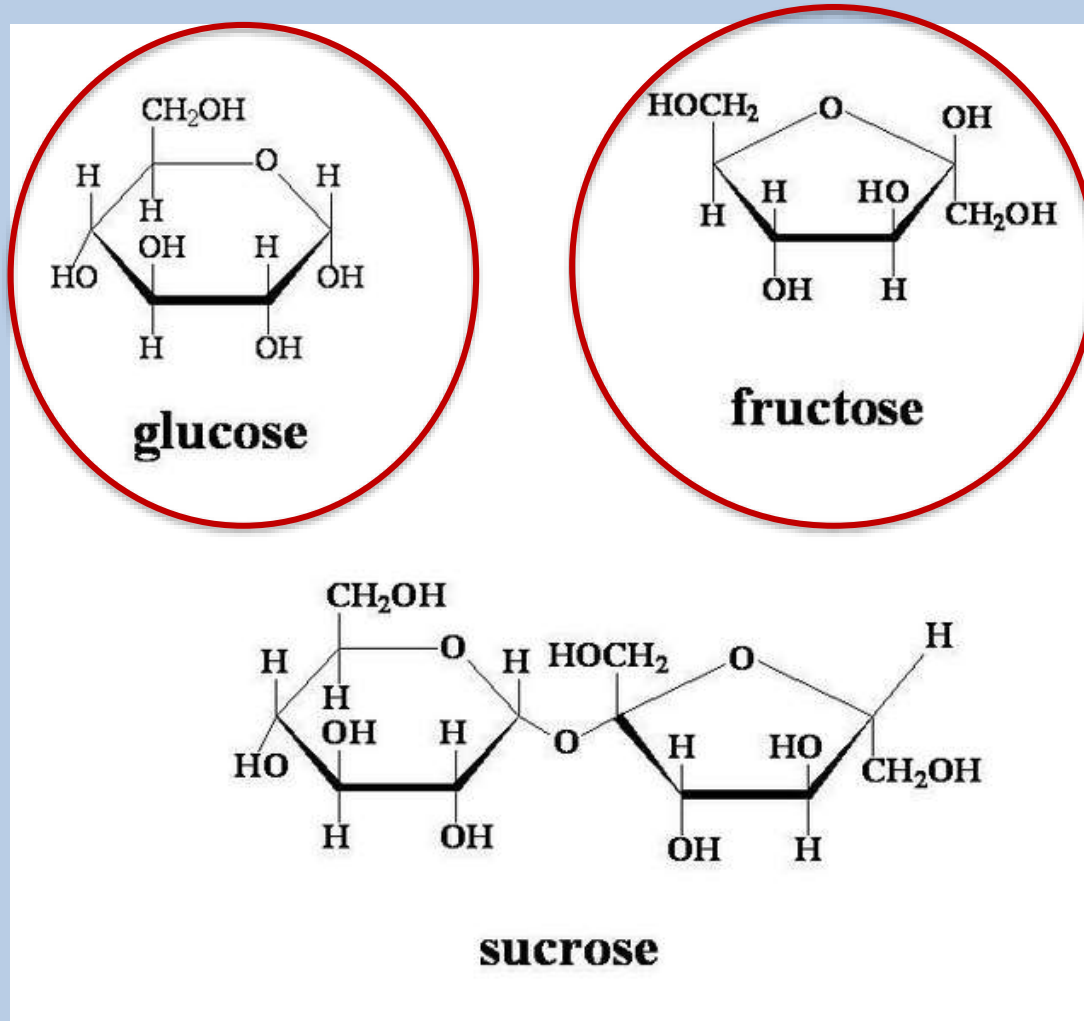
Enzymes in Action

- Lactose



Enzymes in Action

- **Sucrose**



Enzymes in Action

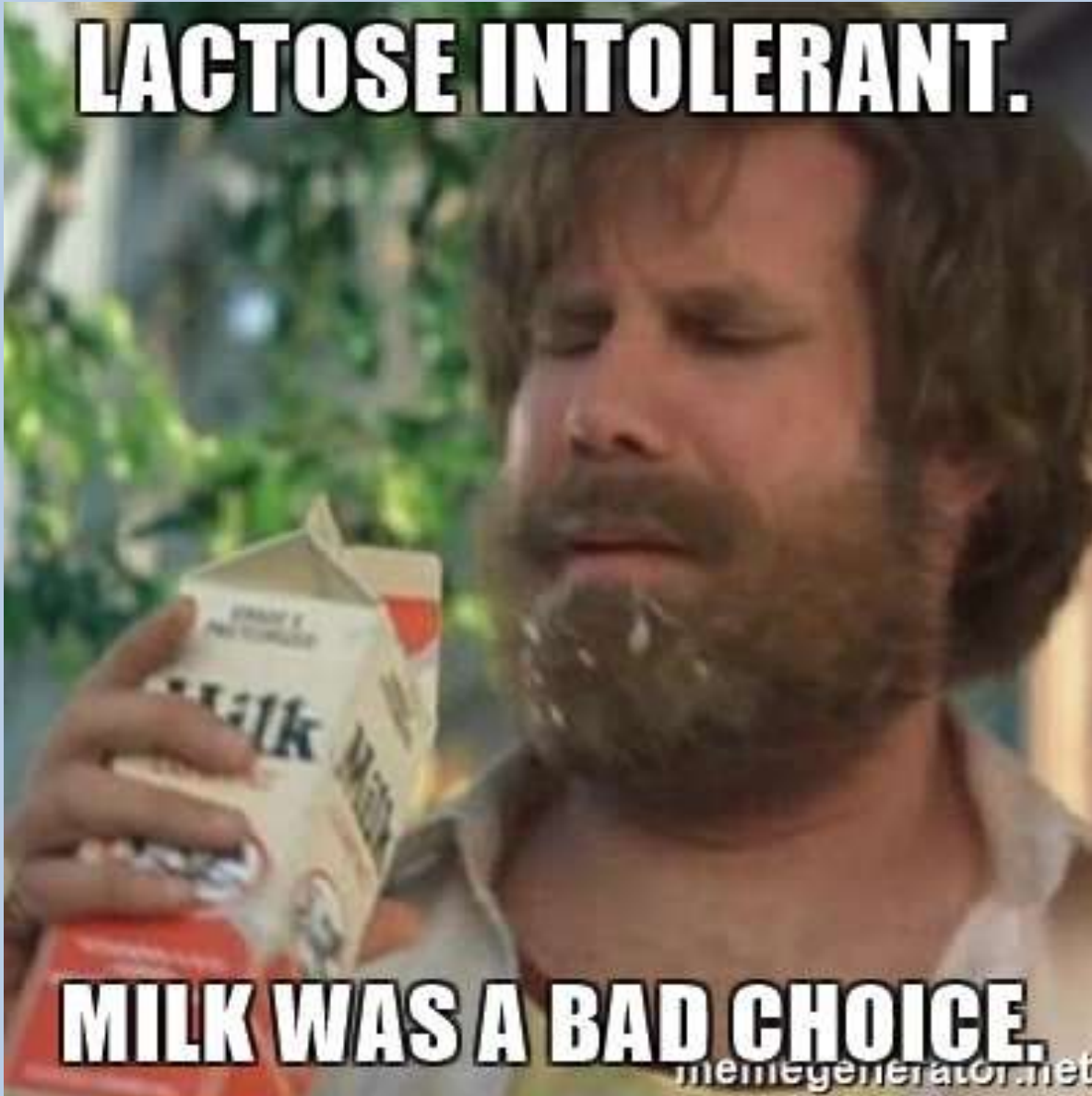
- Today we will be testing for glucose
 - What test will we use?
- First we will observe positive and negative tests together

Enzymes in Action

- Get prelab checked off (and get your lactase tablet)
- **GOGGLES ON!**
- Begin procedures (**READ THEM CAREFULLY**)

Enzymes

LACTOSE INTOLERANT.



MILK WAS A BAD CHOICE.