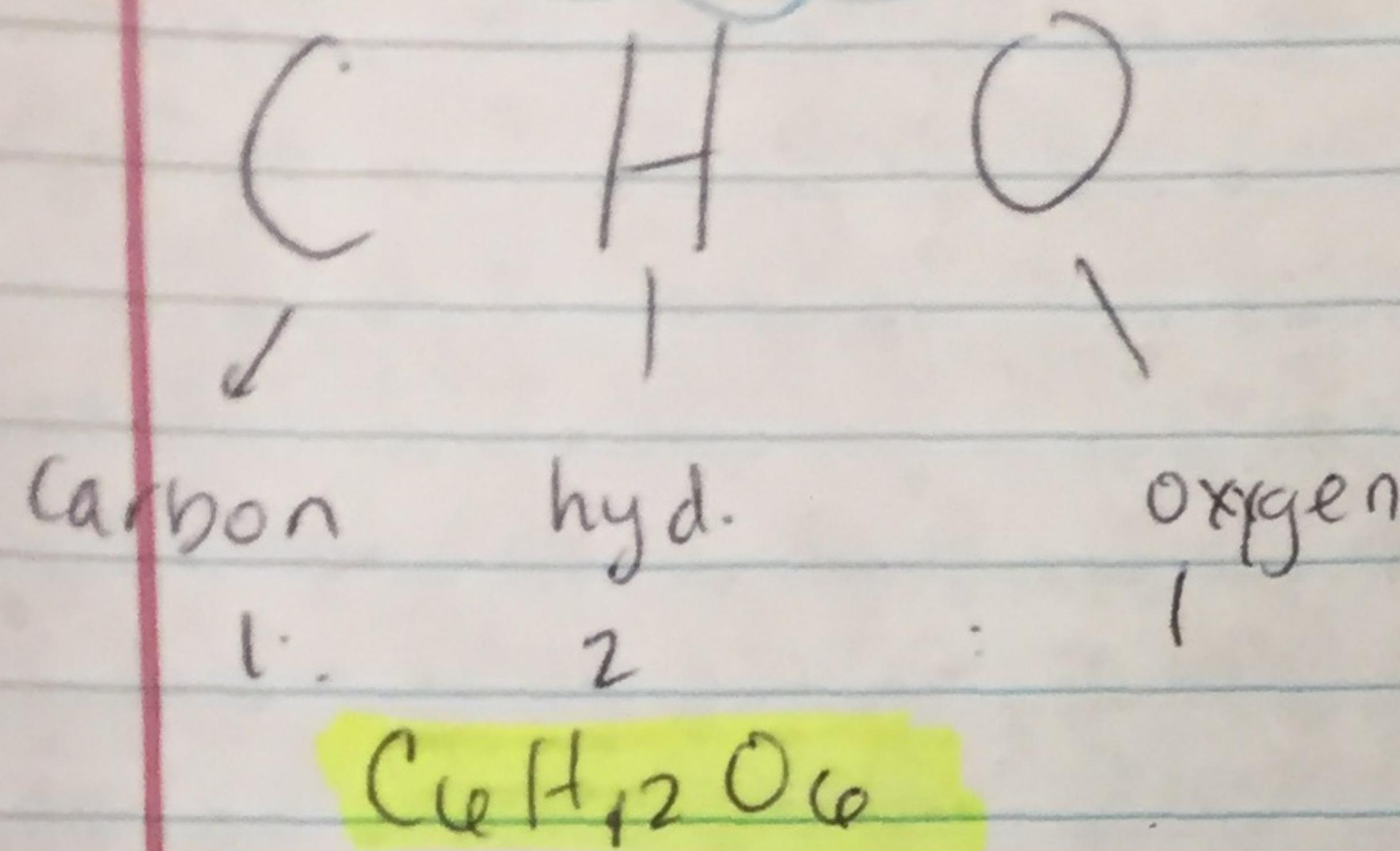


Carbohydrate



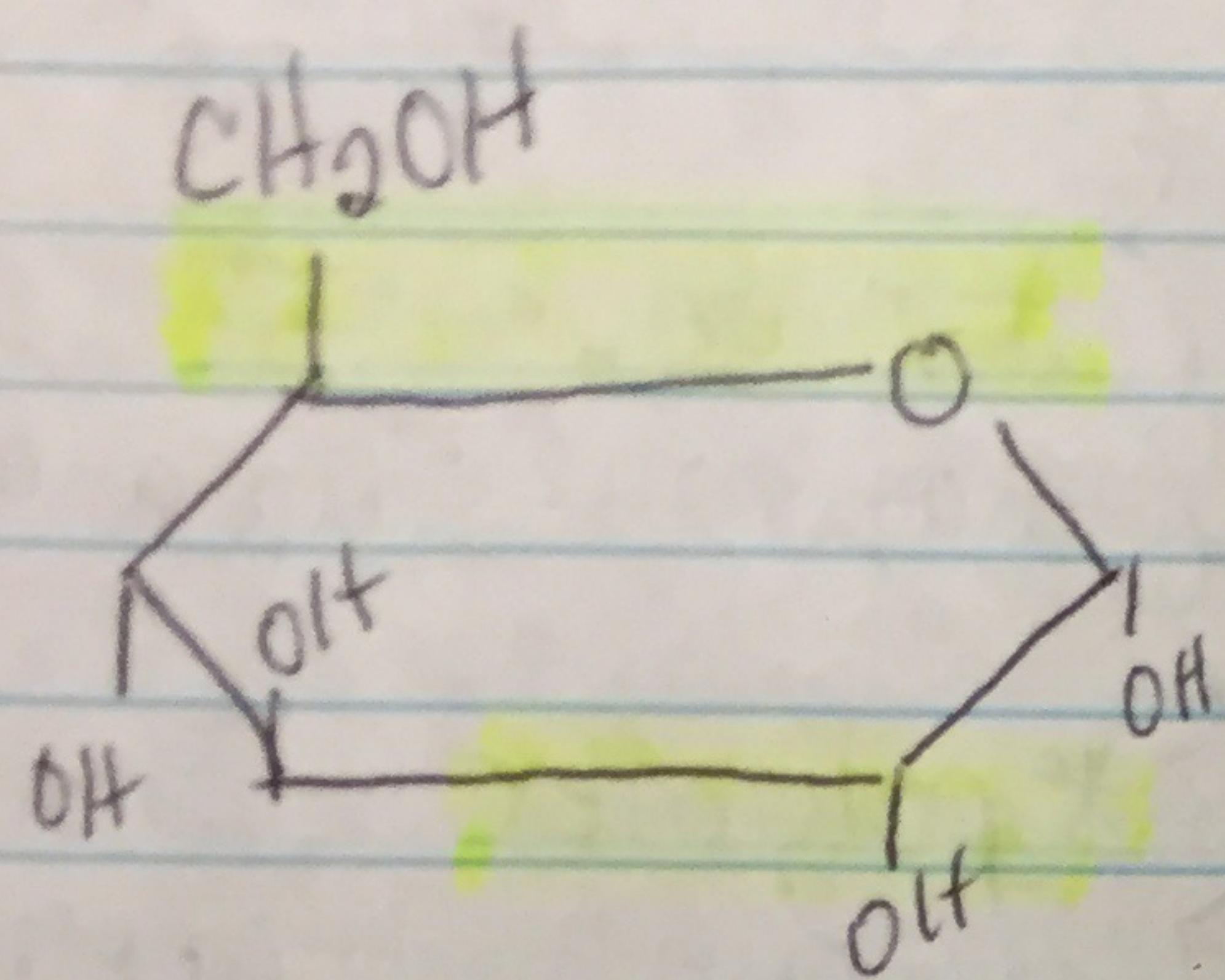
Important Vocab:

*monomer = subunits that make up a large molecule

*polymer = 3 or more subunits together

	Group Name	Function	Examples
①	monosaccharide one sugar	* Immediate energy DNA & RNA	glucose fructose
②	Disaccharide 2 sugars	Sugar transport in plants	table sugar (sucrose) milk sugar (lactose)
③	polysaccharide many (3+) sugars	Excess energy is stored "complex carbs" * short term • cell wall structure • protection	Animals store as GLYCOGEN in muscle Plants store as STARCH

Glucose (ring structure)

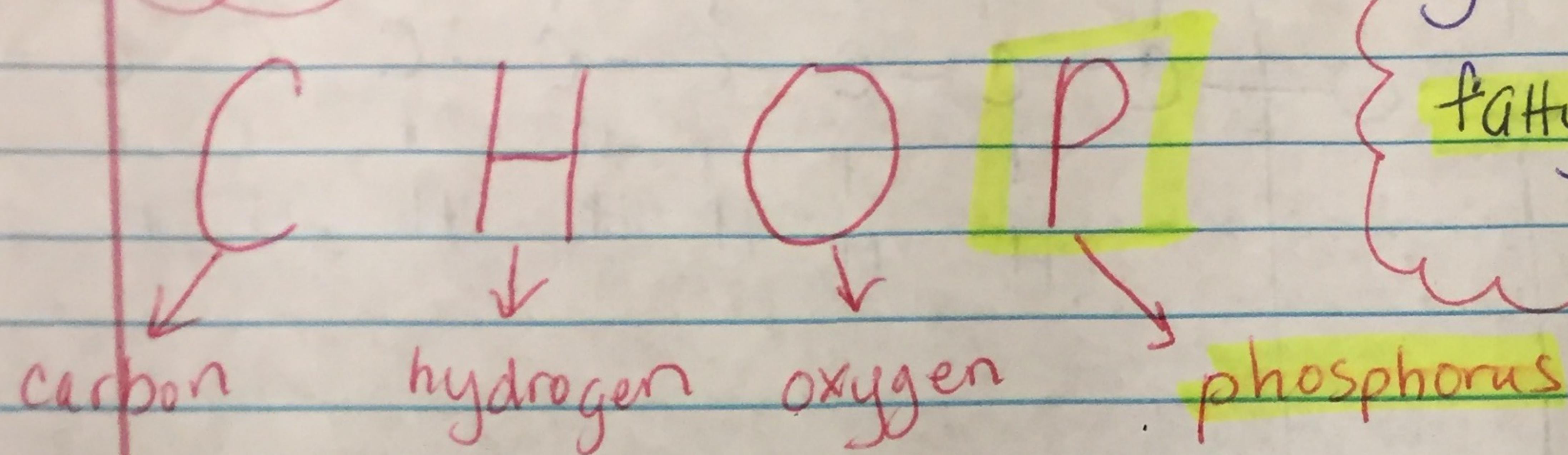


Examples Polysaccharide (cont.)

* cellulose - most abundant (celery)
- structure
- rigid

* chitin = exoskeleton of insects

LIPID } (aka: fat)



monomer =
glycerol backbone +
fatty acid tails

FUNCTION

* LONG-TERM ENERGY STORAGE

- phospholipid cell membrane
- steroids
- waxes
- fats + oils

EXAMPLE

- phospholipid bilayer (supports the cell)
- sex hormones (estrogen, testosterone)
* cholesterol
- earwax, cuticles
- protective plant coating (leaves)

Saturated = Solid
unsaturated = liquid

glycerol backbone

