

More Sugars

Note Title

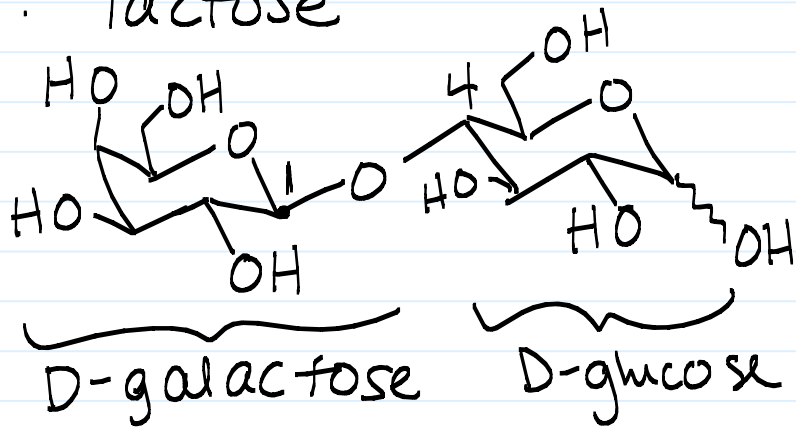
5/13/2014

Polysaccharides

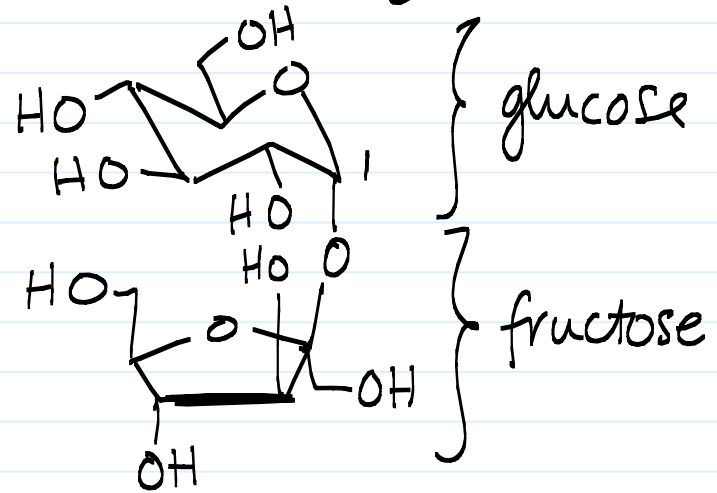
monosaccharide = 1 sugar molecule

Disaccharide = 2 sugar units

ex: lactose

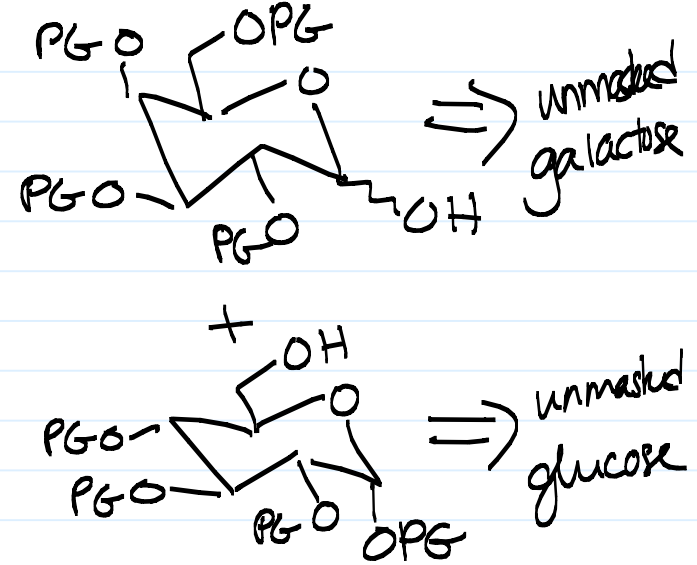
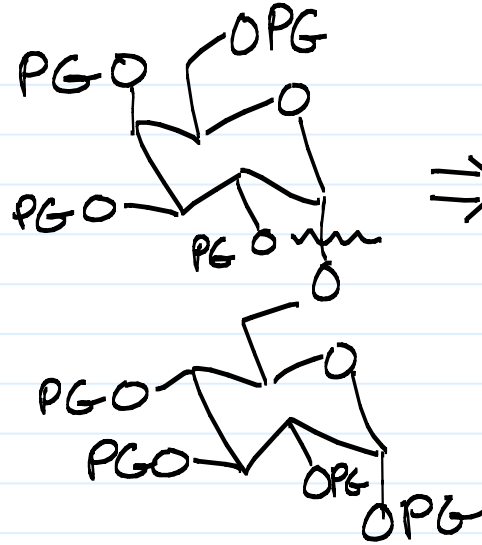
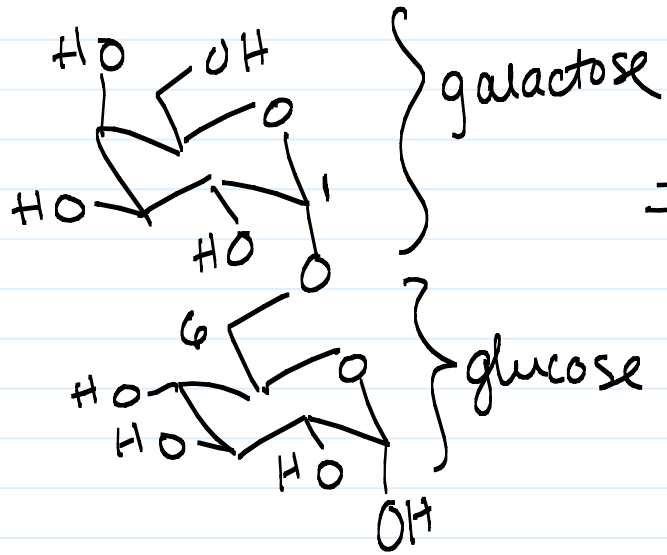


sucrose (table sugar)

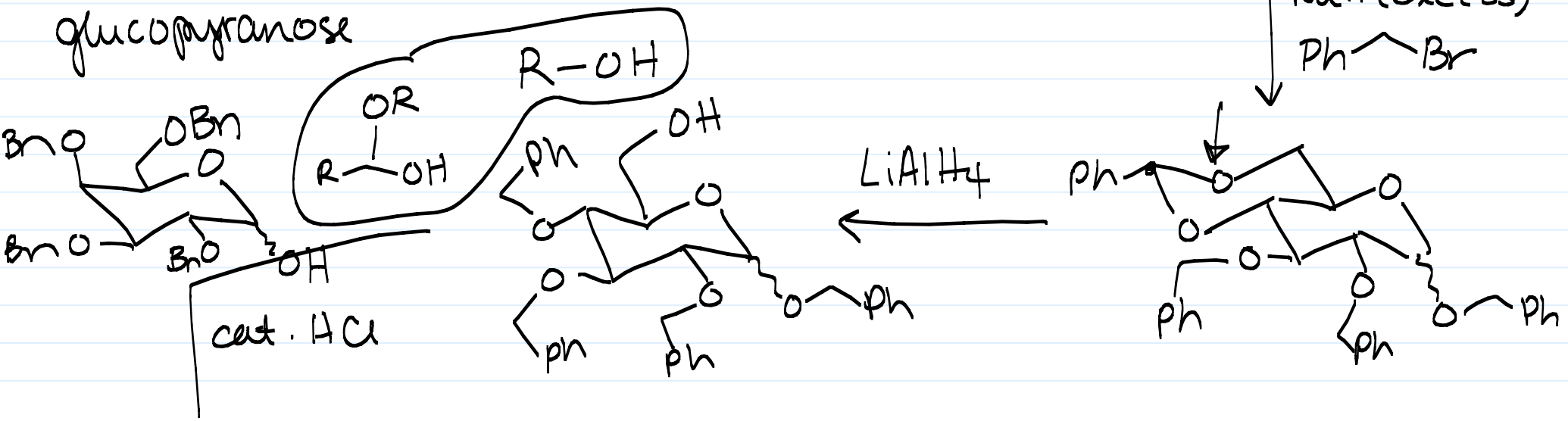
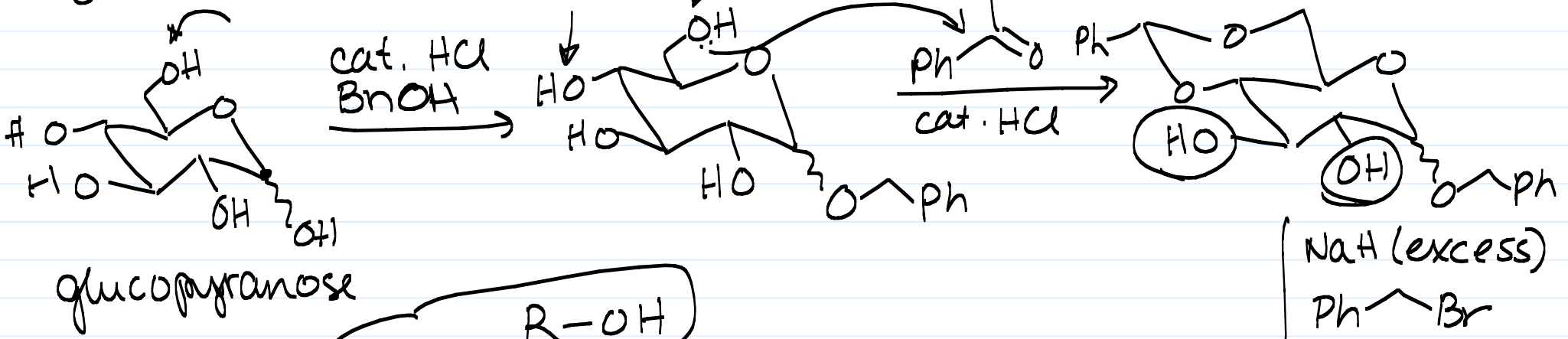
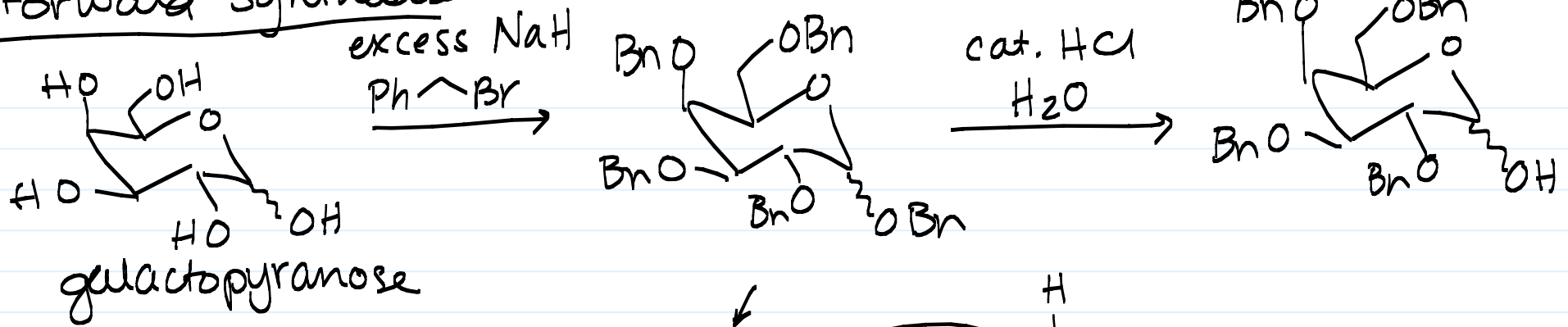


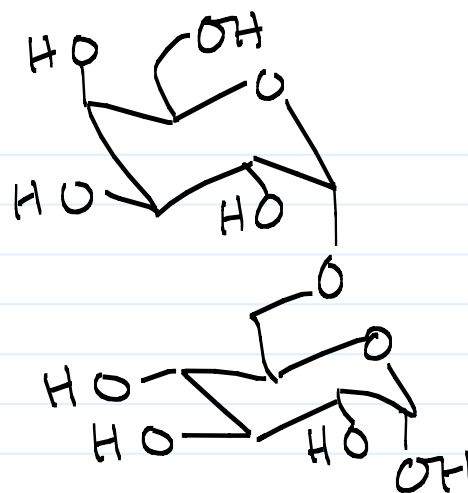
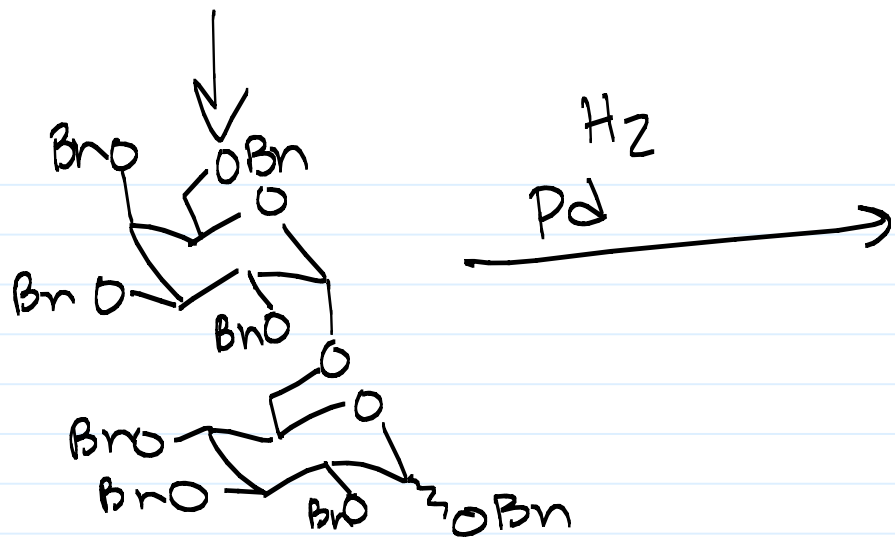
Target: Melibiose

PG = Protecting Group



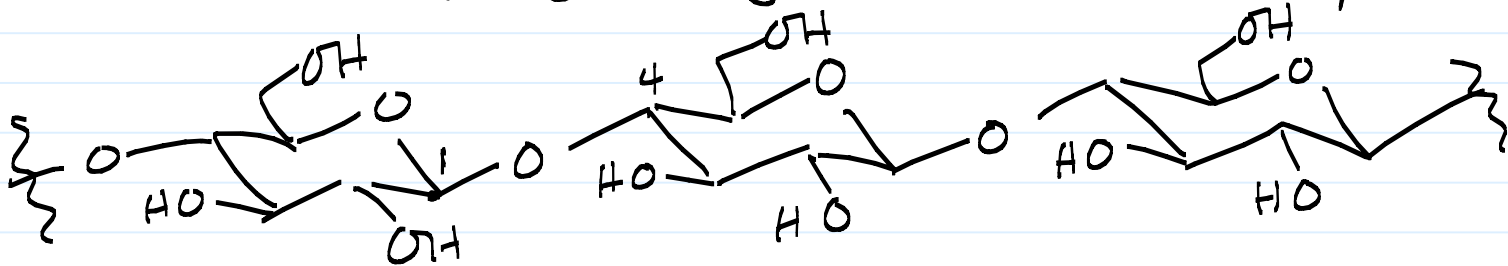
Forward Synthesis:





Polysaccharides \equiv Polymer of simple repeating monosaccharide units

Cellulose = poly-D-glucose linked β



Starch = amylose = poly-D-glucose linked α

