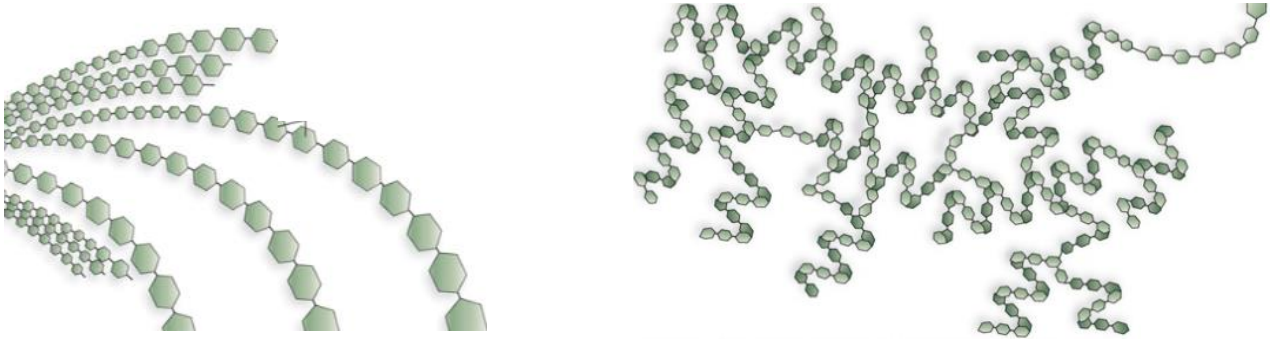


CONCEPT: POLYSACCHARIDE

- Polysaccharides can be ENORMOUS (>1 million units), but other than that, their composition is relatively _____.
 - Usually consist of just _____ or _____ monosaccharides repetitively linked together.
 - Functions include _____ Support or _____-Storage.



How Do Polysaccharides Differ from Each Other?

- Polysaccharides differ from each other in at least one of the following _____ ways:
 - 1) _____ of their reoccurring sugar units.
 - 2) Types of _____ bonds linking their sugar units.
 - 3) _____ of chain (total # of sugar units).
 - 4) Degree of _____.
- Each of these 4 factors influences a polysaccharide's _____ & _____ properties.

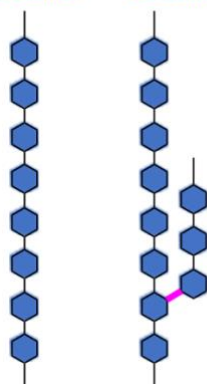
Homopolysaccharides vs. Heteropolysaccharides

- _____ major categories of polysaccharides:
 - 1) _____ polysaccharides: consist of *repeating* units of only _____ single type of monosaccharide.
 - Usual functions: _____ cellular structures & *energy*-_____.
 - 2) _____ polysaccharides: consist of _____ 2 different kinds of monosaccharides.
 - Usual functions: _____ cellular structures.

_____ polysaccharides

Unbrached

Branched



_____ polysaccharides

Unbrached

Branched

