

Slide 25

- Sugar skeletons raw material for synthesis of
 - amino acids
 - fatty acids
- Sugar not used immediately - fuel or structure
 - disaccharides or polysaccharides


Slide 26

- polysaccharides (**COMPLEX CARBS**)
starch, glycogen, cellulose, chitin
- **Starch** -storage (glucose monomers)
 - starch can be hydrolyzed to release glucoses (energy)
 - mouth (enzyme activity)

Slide 27

Carbohydrate Transport

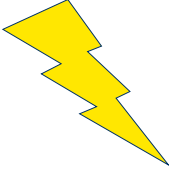
- Plants store starch



Slide 40

Nucleic bases

- ATP
- NAD+



Slide 41

“organic” molecules
molecules of life

- Proteins - “WORKER” MOLECULE
- Nucleic acids, nucleotide – DNA, RNA ATP
- Lipids - MEMBRANES
- Carbohydrates – FUEL, STRUCTURE

Slide 42

- Proteins** - everything!
 - structural support, storage, transport of other substances, intercellular signaling (receptors, some hormones) , movement, defense against foreign substances (antibodies).
 - also enzymes (catalysts) - selectively accelerate chemical reactions
