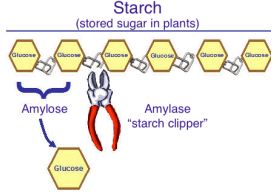



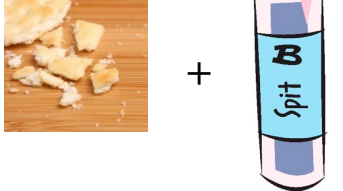
ENZYMES

HOW DO THEY DO WHAT THEY DO?

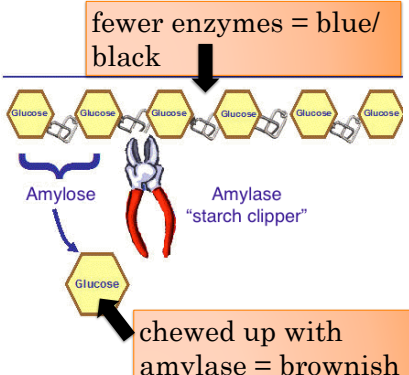
- Biological molecules (proteins) that speed up chemical reactions in a cell
- Vital for life functions in the body ex: digestion
- Break large molecules into smaller pieces

The iodine causes the starch to turn blue/black showing a *lack* of the enzyme amylase



A small volume of starch (cracker) to large volume of saliva (enzymes) ratio will result in a brownish color. Shows the presence of amylase.



fewer enzymes = blue/black

Amylose

Amylase "starch clipper"

Glucose

chewed up with amylase = brownish