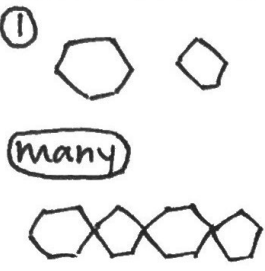
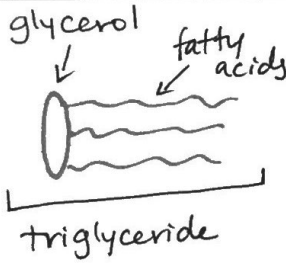
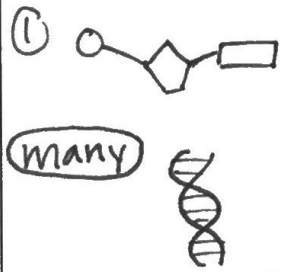
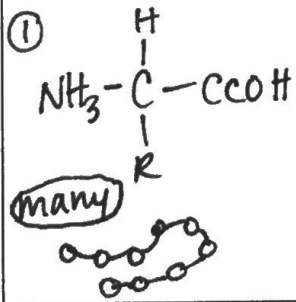


Polymer	Monomer	Picture	Function	Lab Test & Results	Examples
Carbohydrate aka polysaccharide (starch)	monosaccharide (sugar)	①  <b>many</b>	body's main source of energy	Starch: Iodine orange → black/ purple Sugar: Benedict's blue → orange	Starch Plant: starch cellulose animal: glycogen Sugar Plant: glucose, fructose animal: lactose
Lipid	glycerol & fatty acids	 triglyceride	<ul style="list-style-type: none"> <li>• create cell membranes</li> <li>• backup energy</li> <li>• warmth/insulation</li> <li>• waterproofing</li> </ul>	Brown Paper Bag turns translucent	unsaturated: from <u>plants</u> oils saturated: from <u>animals</u> lard, wax, butter
Nucleic Acids	nucleotide	①  <b>many</b>	<ul style="list-style-type: none"> <li>• provide all instructions for life</li> <li>• store &amp; transmit hereditary info from 1 gen. to next</li> </ul>	n/a	deoxyribonucleic acid (DNA) ribonucleic acid (RNA)
Proteins	amino acids	①  <b>many</b>	<ul style="list-style-type: none"> <li>• speed up chemical reactions</li> <li>• transport materials across cell membrane</li> <li>• build cell structure</li> </ul>	Biurets blue → purple	enzymes lactase; amylase hormones insulin hemoglobin

Food: rice, fruit,  
pasta

Steroids