

# Information of Plastics Worksheet

#Eco360

Plastic Type & Symbol	Plastic Examples	Chemical Formula	Chemical Structure
<p>PET (Polyethylene Terephthalate)</p>	Beverage bottles, plastic cans, fabric fibers and carpets, some bottles for hygiene products	$(C_{10}H_8O_4)_n$	
<p>HDPE (High-Density Polyethylene)</p>	Bottles for household chemicals, milk jugs, juice containers, medicine bottles	$(C_2H_4)_n$	<p>More linear compared to LDPE:</p>
<p>PVC (Polyvinyl Chloride)</p>	Toys, blister wrap, cling wrap, detergent bottles, loose-leaf binders, blood bags, medical tubing	$(C_2H_3Cl)_n$	
<p>LDPE (Low-Density Polyethylene)</p>	Bags (grocery, dry cleaning, bread, frozen food bags, newspapers, garbage), plastic wraps; coatings for paper milk cartons and hot & cold beverage cups; some squeezable bottles (honey, mustard), food storage containers	$(C_2H_4)_n$	<p>More "branches" compared to HDPE:</p>
<p>PP (Polypropylene)</p>	Thermal vests, car parts (bumpers), disposable diapers, sanitary pad liners, furniture	$(C_3H_6)_n$	
<p>PS (Polystyrene)</p>	Food containers, egg cartons, disposable cups and bowls, packaging, cosmetic bags	$(C_8H_8)_n$	