
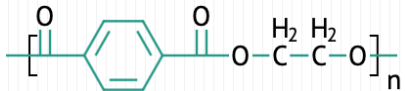

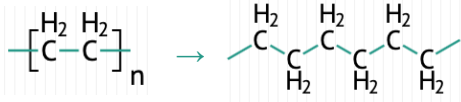

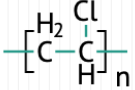



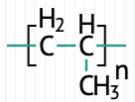



Information of Plastics Worksheet

Plastic Type & Symbol	Plastic Examples	Chemical Formula	Chemical Structure
 PET (Polyethylene Terephthalate)	Beverage bottles, plastic cans, fabric fibres and carpets, some bottles for hygiene products	$(C_{10}H_8O_4)_n$	
 HDPE (High-Density Polyethylene)	Bottles for household chemicals, milk jugs, juice containers, medicine bottles	$(C_2H_4)_n$	More linear compared to LDPE: 
 PVC (Polyvinyl Chloride)	Toys, blister wrap, cling wrap, detergent bottles, loose-leaf binders, blood bags, medical tubing	$(C_2H_3Cl)_n$	
 LDPE (Low-Density Polyethylene)	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	$(C_2H_4)_n$	More "branches" compared to HDPE: 
 PP (Polypropylene)	Thermal vests, car parts (bumpers), disposable diapers, sanitary pad liners, furniture	$(C_3H_6)_n$	
 PS (Polystyrene)	Food containers, egg cartons, disposable cups and bowls, packaging, cosmetic bags	$(C_8H_8)_n$	