

# TYPES OF PLASTIC

1. CLICK ON THE COLORED BOXES AND REPEAT THE NAMES OF THE TYPES OF PLASTIC:

## THE 7 TYPES OF PLASTICS

### THEIR TOXICITY AND WHAT THEY ARE MOST COMMONLY USED FOR

TOXICITY CODE:  LOW  HIGH

| Polymer Name                                   | POLYETHYLENE TEREPHTHALATE                                                         | HIGH-DENSITY POLYETHYLENE                                                          | POLYVINYL CHLORIDE                                                                 | LOW-DENSITY POLYETHYLENE                                                           | POLYPROPYLENE                                                                       | POLYSTYRENE                                                                          | All other plastics, including acrylic, fiberglass, nylon, polycarbonate, and polylactic acid (a bioplastic) |
|------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Resin Identification Code                      |   |   |   |   |   |   |                          |
| Abbreviation                                   | PET or PETE                                                                        | HDPE                                                                               | PVC                                                                                | LDPE                                                                               | PP                                                                                  | PS                                                                                   | OTHER                                                                                                       |
| Recyclable?                                    | Commonly Recycled                                                                  | Commonly Recycled                                                                  | Sometimes Recycled                                                                 | Sometimes Recycled                                                                 | Occasionally Recycled                                                               | Commonly Recycled (but difficult to do)                                              | Difficult to Recycle                                                                                        |
| Percentage Recycled Annually                   |  |  |  |  |  |  |                         |
| How Long to Decompose Under Perfect Conditions | 5-10 Years                                                                         | 100 Years                                                                          | Never                                                                              | 500-1,000 Years                                                                    | 20-30 Years                                                                         | 50 Years                                                                             | Majority of these plastics: never<br>Polylactic acid: 6 months                                              |

2. USE THE PICTURE TO HELP YOU AND CONNECT THE PICTURES TO THE CORRESPONDING TYPE OF PLASTIC:

### Plastic Resin Identification Codes

|  |  |                        |                       |                          |                       |                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| PETE                                                                                | HDPE                                                                                | PVC                                                                                                       | LDPE                                                                                                     | PP                                                                                                          | PS                                                                                                         | OTHER                                                                                                            |
| Polyethylene Terephthalate                                                          | High-Density Polyethylene                                                           | Polyvinyl Chloride                                                                                        | Low-Density Polyethylene                                                                                 | Polypropylene                                                                                               | Polystyrene                                                                                                | Other                                                                                                            |
| Common products: soda & water bottles; cups, jars, trays, clamshells                | Common products: milk jugs, detergent & shampoo bottles, flower pots, grocery bags  | Common products: cleaning supply jugs, pool liners, twine, sheeting, automotive product bottles, sheeting | Common products: bread bags, paper towels & tissue overwrap, squeeze bottles, trash bags, six-pack rings | Common products: yogurt tubs, cups, juice bottles, straws, hangers, sand & shipping bags                    | Common products: to-go containers & flatware, hot cups, razors, CD cases, shipping cushion, cartons, trays | Common types & products: polycarbonate, nylon, ABS, acrylic, PLA; bottles, safety glasses, CDs, headlight lenses |
| Recycled products: clothing, carpet, clamshells, soda & water bottles               | Recycled products: detergent bottles, flower pots, crates, pipe, decking            | Recycled products: pipe, wall siding, binders, carpet backing, flooring                                   | Recycled products: trash bags, plastic lumber, furniture, shipping envelopes, compost bins               | Recycled products: paint cans, speed bumps, auto parts, food containers, hangers, plant pots, razor handles | Recycled products: picture frames, crown molding, rulers, flower pots, hangers, toys, tape dispensers      | Recycled products: electronic housings, auto parts,                                                              |
|  |  |                        |                       |                          |                       |                             |

