## methods to deal with plastics waste

This is the last part of a series about plastics and their effect on our environment:

There are three ways of dealing with the plastics waste problem. They are recycling, incineration and source reduction.

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Responsible to the state of the st

the manufacturer to be free of any contaminants. Because recycled plastics cannot be reheated to a high enough temperature to insure this, plastics are not currently reused to make the control of the c

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eration of plastics centers on diox-ins. Dioxins are formed when certain products of incomplete combustion combine with chlorine. Studies have been inconclusive as to the extent of

emissions at this point.
SOURCE REDUCTN
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Source reduce the most reduce the mount of plastic they use and, utilized the mount of plastic they use and, utilized the mount of plastic they use and, utilized they designed products, such as lighters and razors, from your purchases.
Ask for paper instead of plastic when possible. Find new uses for plastic products that would normally be thrown away. Recycle plastic jugs and containers at nearly recycling centers that accept plastics.
Another way to reduce solid watte in landfills is through the use of egradable plastic products.
Plastics will not normally break-down unless exposed to high temperature or intense ultraviolet light. However, by altering the chemical makeup, plastics can be made susceptible to decomposition.
There are two processes used to make plastics degradable:
PHOTODEGRADATION or gradation in the presence of sunlight is achieved by mixing light sensitive diditives into the normal plastic resin or in the structure of the polymer itself. Several American and Canadinissions at this point. SOURCE REDUCTION

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an companies manufacture prod-ucts, such as six-pack rings and trash and grocery bags, currently in use. BIODEGRADATION or degrada-tion through microorganisms is achieved by mixing the resin with an additive, usually starch, that can be eaten away in a landfill or other mi-crobial active environment. Blode-gradation does not require similght in the process. While both of the degradable plas-tic processes will reduce the amount of solid waste and litter, some safety

Packagers, environmentalists and health officials feel that degradable plastics may leave unwanted or tox-ic residues in package contents or in landfills.

landfills.
Clearly, the many benefits in using plastics are counter balanced by the pollution and disposal problems they create. Each consumer must decide how to balance convenience with human and environmental health and economic costs.



Terry Glbb

The Consumer Mailbag answers your questions. Address mail to The Consumer Mailbag, Concern Detroit, One Kennedy Square, 4th Floor, Detroit, 48226.

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