

## Household waste and recycling

### Worksheet 3

#### WEBQUEST

Adapted from: <http://crescentok.com/staff/jaskew/isr/webquest/questrecycle.htm>

#### Task 1: The History of Recycling

Go to this website: <http://en.wikipedia.org/wiki/Recycle#History> to answer the following questions.

1. What two things cause recycling to peak?
2. The modern recycling movement in the United States actually started with a New York garbage barge in 1987.
3. Why did Morehead City deny the New York barge permission to unload its garbage?

#### Task 2: Resin Identification Codes

Go to this website [http://en.wikipedia.org/wiki/Resin\\_identification\\_code](http://en.wikipedia.org/wiki/Resin_identification_code) to answer the following questions.

1. At the moment, what are the only three types of plastics that are economically viable to recycle?
2. Why can't different types of plastics be mixed together when recycling?
3. What is the name of the polymer used in soft drink bottles?

#### Task 3: Recycling of PET Bottles

Use this webpage [http://en.wikipedia.org/wiki/Recycling\\_of\\_PET\\_Bottles](http://en.wikipedia.org/wiki/Recycling_of_PET_Bottles) to answer the following questions.

1. Where is the recycle code found on the container?
2. What post-consumer color fraction costs the most?
3. What post-consumer color fraction is the least valuable?