

Solid Waste and Recycling Curriculum
Lesson 17

Plastic Recycling

Objectives:

**I will complete a chart containing the characteristics of different plastics.
I will answer questions about plastics based on their completed chart.**

Standards:

E.12.C.4 Students know processes of obtaining, using, and recycling of renewable and nonrenewable sources. E/S

N.12.A.1 Students know tables, charts, illustrations and graphs can be used in making arguments and claims in oral and written presentations. E/S

N.12.B.4 Students know scientific knowledge builds on previous information. E/S

N.12.B Students understand the impacts of science and technology in terms of costs and benefits to society.



Photo Taken From: <http://www.ocpaddler.com/files/plastic2.jpg>

STUDENT RESPONSES

Questions:

1. There are two types of plastic that are picked up by the curbside recycling program in Nevada. What are they (both the resin code and the scientific name)?

1 (PETE Polyethylene Terephthalate) and 2 (HDPE High Density Polyethylene)

2. There is another location, besides curbside, to take these two plastics for recycling. What is it called or where is it located?

Transfer Stations; 333 W Gowan Rd Las Vegas 89032 and 560 Cape Horn Dr. Henderson 89011

3. Plastic 2, HDPE, is commonly used to make grocery bags. Where can you take grocery bags for recycling?

Retail outlets, Whole Foods, other grocery stores

4. What type of plastic is used to make ice scrapers?

5- PP- Polypropylene

5. Is this plastic recyclable in Nevada?

no

6. Which plastic is recycled into insulation?

6- PS- Polystyrene

7. List one of the products made with recycled plastic 7.

Bottles, plastic lumber

8. List 3 properties of plastic 4, LDPE.

Relatively tough, flexible, relative transparency