

# Polymers

Use your talents to surf the Internet to find information pertinent to your group's polymer.

1. Define polymer.
2. Draw the recycling code for your assigned polymer.
3. What symbol (abbreviation) is used to represent this polymer?
4. What is the chemical name of the polymer?
5. What is a common consumer example of this polymer?
6. Draw the structural formula of the monomer used to make this polymer.
7. Draw a chain of three monomers.
8. List and describe three physical properties of the polymer.
9. List and describe three chemical properties of the polymer.
10. Find out, in general, how your polymer is recycled.

Create a poster and teaching materials to explain your results to the rest of the class. Make sure you bring in an example of your assigned polymer with the recycling code still intact

Below are some web sites, which may be useful.

<http://plc.cwru.edu/>

<http://www.lci.kent.edu/alcom/alcom.html>

[http://www.uwsp.edu/chemistry/ipec/poly\\_am.htm](http://www.uwsp.edu/chemistry/ipec/poly_am.htm)

<http://www.teachingplastics.org/>

<http://rubistar.4teachers.org/>

<http://www.uwsp.edu/chemistry/ipec>

<http://www.pslc.ws/macrog.htm>