

6

Products

from Natural Gas and Oil

In addition to fuel and lubrication for cars, trucks, planes and ships, crude oil is used to make over six thousand different products that we use every day: medicines, paint, cosmetics, fabric and plastics. Plastics play an important part in cutting edge technologies such as the space program, bullet-proof vests and prosthetic limbs. Plastic packaging is convenient and sanitary, and it can be molded into any size and shape. The petroleum polymer industry continues to develop new ways to recycle and reuse this valuable resource.



CareerConnection

Will that be an artificial heart or roller blades?

They are both possible because of oil. Oil is used to make thousands of products that make our lives easier—and in many cases—help us live better and longer lives. As a **consumer economist**, you will analyze the production, distribution, and consumption of a variety of products that we need and enjoy. Your work may help companies decide which items to make and may help spark the creation of new products.

Graphic Organizers

Using a Chart to Record Data

Charts help organize, display and arrange data making it easier for students to conduct research, perform experiments and understand outcomes. When students learn how to organize information they can create their own charts as part of laboratory journals.

Density Table				
	Vegetable Oil	Alcohol/Water	Water	Glycerin
Pete				
HDPE				
V				
LDPE				
PP				
PS				

Facts *True or False?*

There are over 6,000 products that come from petroleum: chewing gum, crayons, deodorant, golf balls, photo film, athletic shoes, telephones, toothpaste, soft contact lenses, rubber and batteries.



TRUE.

National Standards

Science as Inquiry

- CONDUCT SCIENTIFIC INVESTIGATIONS

Science and Social Perspectives

- UNDERSTAND THAT HUMANS USE RESOURCES IN THEIR ENVIRONMENT TO IMPROVE THEIR EXISTENCE
- UNDERSTAND THAT MATERIALS FROM HUMAN SOCIETIES AFFECT BOTH PHYSICAL AND CHEMICAL CYCLES OF THE EARTH
- UNDERSTAND THAT HUMAN ACTIVITIES CAN INCREASE POTENTIAL HAZARDS

Science and Technology

- UNDERSTAND THAT TECHNOLOGY HELPS SOLVE HUMAN PROBLEMS

