



Recycling in Vocational Labs

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Objectives

- ◆ Discuss the meaning of recycling.
- ◆ Discuss reasons for recycling.
- ◆ Discuss how recycling can improve our standard of living.
- ◆ Compare contrast materials that are recyclable.
- ◆ Access information on recycling obtained from the Internet.
- ◆ Discuss and identify renewable energy resources.



What Is Recycling?

- ◆ To reclaim or reuse old materials in order to make new products.
- ◆ To use again, especially to reprocess so as to use again; to recondition and adapt to a new use or function.
- ◆ To process waste materials in order to regain new material for human use.





Types of Natural Resources

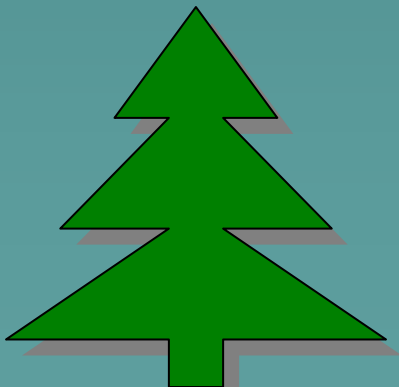
- ◆ Non Renewable Resources
 - Petroleum Oil
 - Anti-Freeze
 - Refrigerant/Ozone Layer
- ◆ None of the above can be renewed in our lifetime





Types of Natural Resources

- ◆ Renewable Resources
 - Trees
 - Grass/Plants
 - Rubber Trees
 - Biomass/Animals
- ◆ These can be replenished in our lifetime or shorter





What can be Recycled from the Labs

◆ Auto Shop

- Old Tires
- Worn out Batteries
- Junk Cars
- Waste Motor Oil
- Waste Anti-Freeze
- Air Conditioning Refrigerant

◆ Meats/Food Lab

- Styrofoam
- Plastics
- Fat & Bones
- Frying/Cooking Oil
- Paper Products
- Manure





Why Recycle ?

- ◆ Save Natural Resources
- ◆ Improve Quality of Life
- ◆ Preserve Non-Renewals
- ◆ Respect Environment
- ◆ Save Money
- ◆ Reduce Waste in Landfills
- ◆ Force Alternative Usage Of Waste



Benefits of Recycling



- ◆ Educates Consumer of Cost Savings
- ◆ Reduces Pollution and Protects Air and Water Quality
- ◆ Saves Natural Resources
- ◆ Protects Forests and National Parks
- ◆ Reduces Mining and Exploration
- ◆ Lowers Costs To Consumers



Compare/Contrast

- ◆ Use Motor Oil = Home Heating Oil
- ◆ Frying Oil = Tractor Fuel
- ◆ Used Tires = Roadway Rehabilitation
- ◆ Styrofoam = Packing Peanuts
- ◆ Fat/Bones = Tallow/Release Agent
- ◆ Junk Cars = Tremendous Environmental and Economical Savings



Summary Review

- ◆ Discuss the meaning of recycling.
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