

Grade 7 Science **Where do Our Finished Products Come From?**

Name: _____ Class: _____ Date: _____

All things that we use are called finished or Manufactured Products. They are made often of many parts and some are very specialized (think of your phone or a large TV).

All of our finished materials and products come originally from nature. They are harvested or mined or gathered. They come in three different categories: Mineral (from the ground and abiotic); vegetable (from growing plants) and animal (from animals or their byproducts). All these are called RAW MATERIALS. These things are taken and purified or processed to make things that are called PROCESSED MATERIALS. These things are further processed or changed to create things that are useful to people called FINISHED PRODUCTS.

Often we do not consider where something comes from but all things come from other things. Here is a list of things that you are to categorize as Mineral Vegetable or Animal. Put each finished product in the correct category.

LEATHER GOLD WOOL CLAY MARBLE SILK
FIREWOOD ALUMINUM SAND CORK COTTON

MINERAL	VEGETABLE	ANIMAL
GOLD CLAY MARBLE ALUMINUM SAND	FIREWOOD CORK COTTON	LEATHER WOOL SILK

For each of the following finished products, identify the processed material that it is from and then the raw material that the processed material came from.

Glass bottle Pop can Pasta Crocs (the shoes)
Plastic bag Candle

Raw Material	Processed Material	Finished Product
Silica sand	glass	Glass bottle
Bauxite (ore)	Aluminum sheet	Pop can
Wheat	Flour	Pasta
Petroleum	Plastic	Crocs
Petroleum	Plastic	Plastic bag
Beeswax or petroleum or plant based (soy)	Wax	Candle

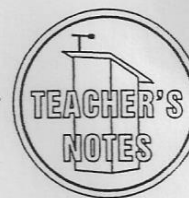
Activity 6

Group Work



Grade 7 Science and Technology Strand 2: Pure Substances and Mixtures

From Raw Materials to Finished Materials Teacher's Answers (page 20)



Definitions: Raw materials are the ingredients needed to make finished materials. Finished materials are goods manufactured from raw materials (e.g. raw material = tree, finished product = table).

Raw Materials

Seafood	Fossil Fuels	Minerals	Forest	Agriculture
 Fish Other	 	 	 	 Crops Livestock
Finished Materials				
 Canned Fish Packaged Fish Cooked Shrimp	 Electricity from fuel Fossil Fuel Crude oil Plastic bottle	 Metals and gemstones Cement Car and truck parts Halite (salt)	 Books Furniture	 Cleaned fresh fruit & vegetables Fresh or frozen meat Canned fruit & vegetables Olive oil

Instructions: Place the following finished materials under the correct category (seafood / fossil fuels / minerals / forest / agriculture). List of finished materials: ☐ anchovies, ☐ cement, ☐ cheese, ☐ clay brick, ☐ coal, ☐ copper wire, ☐ cotton socks, ☐ crab, ☐ crude oil, ☐ french fries, ☐ gasoline, ☐ glass, ☐ gold ring, ☐ halibut, ☐ hamburger bun, ☐ hamburger meat, ☐ hockey stick, ☐ jet fuel, ☐ ketchup, ☐ leather coat, ☐ lettuce, ☐ limestone, ☐ lobster, ☐ lumber, ☐ mahogany door, ☐ maple bookshelf, ☐ natural gas, ☐ newspaper, ☐ nylon shirt, ☐ oak chair, ☐ pine table, ☐ plywood, ☐ rubber tire, ☐ salmon, ☐ salt, ☐ sardines, ☐ sea bass, ☐ shrimp, ☐ silver coin, ☐ turpentine.

Seafood	Fossil Fuels	Minerals	Forest	Agriculture
Anchovies	Coal	Cement	Hockey stick	Cheese
Crab	Crude oil	Clay brick	Lumber	Cotton socks
Halibut	Gasoline	Copper wire	Mahogany door	French fries
Lobster	Jet fuel	Glass	Maple bookshelf	Hamburger bun
Salmon	Natural gas	Gold ring	Newspaper	Hamburger meat
Sardines	Nylon shirt	Limestone	Oak chair	Ketchup
Sea bass	Rubber tire	Salt	Pine table	Leather coat
Shrimp	Turpentine	Silver coin	Plywood	Lettuce