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 COTTON** FIREWOOD **SAND** CORK **ALUMINUM** MINERAL VEGETABLE ANIMAL 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 Processed Material Finished Product Raw Material

Grade 7 Science Where do Our Finished Products Come From?

Grade 7 Science and Technology Knowledge / Skills (understanding of basic concepts) Activity 6 shows understanding of few of the basic concepts; demonstrates significant Strand 2: Pure Substances and Mixtures misconceptions; gives explanations showing limited understanding of the concepts **Group Work** shows understanding of some of the basic concepts; demonstrates minor misconceptions; gives partial explanations From Raw Materials to shows understanding of most basic concepts; demonstrates no significant 70 -79% misconceptions; usually gives complete or nearly complete explanations Finished Materials (page 19) 4 shows understanding of all of the basic concepts; demonstrates no misconceptions; always gives complete explanations 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 Agriculture Fossil Fuels Minerals Forest Crops **Materials** Cleaned fresh fruit Electricity Fossil Fuel Metals and Cement Canned & vegetables from fuel gemstones Books Fish Fresh or frozen meat Packaged Fish Car and Canned truck fruit & **Furniture** vegetables Olive oil Halite Plastic Cooked (salt) bottle Shrimp Instructions: Place the following finished materials under the correct category (seafood / fossil fuels / COPYRIGHT JOHNSON PUBLICATIONS LTD. 2003 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, \square rubber tire, \square salmon, \square salt, \square sardines, \square sea bass, \square shrimp, \square silver coin, \square turpentine. Seafood Fossil Fuels Minerals Forest Agriculture