Food Resources Scavenger Hunt Photo Collage

**Objective:** To understand the different processes, resources, and impacts of different forms of food production and consumption.

**Directions**:

* Visit nearby grocery stores and farmers markets to take pictures of items listed below.
* For each picture item taken, answer the questions, complete the calculations, make comparisons, etc.
	+ To earn credit for an item in the scavenger hunt, both the picture and all questions/tasks must be complete for that item.
	+ Note – some items do not include a photographic component.
* Assemble your photographs and corresponding responses in a collage or photo-journal.
* Share your finished product with the class.

**Leveled Grading:**

 Grades for this assignment will be based upon the percentage of photographs and questions/tasks have been completed. You may select which items you want to include your scavenger hunt.

* Mastery – at least 32 of the 36 scavenger hunt items are included
* Competency – between 27 and 31 of the scavenger hunt items are included
* Room to grow - between 23 and 26 scavenger hunt items are included

**Scavenger Hunt:**

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| **Included** | **Photograph** | **Questions** |
|  | Product from the farthest away possible (to SLCSE) | From how many miles **and** km (convert) away did the product came from?Calculate how much oil was required to get that product to the shelf |
|  | Product made from soy | What is a negative health impact associated with soy consumption? |
|  | Product (not produce) that likely contains GMO’s | Which products have the highest chance of containing a GMO? |
|  | Example of produce that is a GMO | What are the benefits for this item being a GMO?Name one other GMO that decreases world hunger. |
|  | Picture of each food group in the correct amount | According to the USDA, what are the major food groups?How much of each should an 18 year old consume of each? |
|  | Two product labels with the essential vitamins and minerals highlighted | What are the essential vitamins & minerals the body needs?What happens when you have deficiencies in iron, Vitamin A, **and** iodine? |
|  | Examples of product**s** that are labeled: “natural”, “100% organic”, “organic”, “made with organic materials” | What is the difference between these labels? |
|  | Meat**s** labeled “farm raised”, “wild caught”, “grain fed”, “organic”, “hormone free” | What are the pros and cons of each?Why are hormones fed to cattle?Why are antibiotics fed to cattle? |
|  | An example of beef produced by Tyson, Sanderson, Butterball, Jennie-O, BoarsHead, Hillshire, **OR** Oscar Meyer | Explain what industrial meat production is.How are animals raised for these companies?For this example, how much water, land, and energy was used to make this amount of meat? |
|  | An example of Chicken produced by Tyson, Sanderson, Butterball, Jennie-O, BoarsHead, Hillshire, **OR** Oscar Meyer | For this example, how much water, land, and energy was used to make this amount of meat? |
|  | An example of the most unusual meat you can find | What are some positives of using this kind of meat? |
|  | Example of fish or shellfish that is “wild caught”  | What are some pros and cons of each type of product? |
|  | Example of fish or shellfish that is “farm raised” |
|  | An example of fish for each category as identified by *SeaFood Watch*: “best choices”, “good alternatives”, and “avoid” | Why is each food classified the way it is?What is the price of each example? Does their price reflect their status? |
|  | Mention of “bycatch” or “dolphin free” | Define bycatch.Identify an example of a fishing technique that has a high risk of bycatch |
|  | Product made from High Fructose Corn Syrup | What is the debate about HFCS? What are the pros and cons of using HFCS? |
|  | Eggs labeled “cage free” and “organic” | How do these eggs differ from regular eggs? |
|  | Overly packaged food **and** similar food in less packaging | What are the pros and cons of packaging? |
|  | Milk labeled: “soy”, “almond”, “organic”, and “regular milk” | How are the environmental impacts of each of these different?Is one of these healthier than others? |
|  | Coffee labeled: “fair trade”, “organic”, “rainforest certified”, **and** “shade grown” | What are some of the major environmental impacts associated with coffee production?What are some of the major societal impacts associated with coffee production?What is the difference between each type of growing method? |
|  | Baby food labeled: “organic”, “natural”, **and** “regular” | What are the differences in marketing between these products – are some supposed to be more Earth Friendly than others? |
|  | Item found at Farmer’s Market & the same item found at Grocery Store | What are some obvious differences between these two products?What is the price difference between the 2 products? |
|  | N/A | Ask someone at a farmer’s market: how do you keep away pests? Do you use pesticides? If not, why? |
|  | N/A | Ask someone at a farmer’s market: how do you fertilize? Do you use chemicals? If not, why? |
|  | Example of a heirloom variety of produce | What does the “heirloom” label mean?Why are heirlooms important for food security? |
|  | The most local product you can find | From how many miles **and** km (convert) away did the product came from?Calculate how much oil was required to get that product to the shelf |
|  | Most unusual produce | N/A |
|  | A non-edible organic product (e.g., candles, fabric, etc.) | Why would you care if it’s organic if you don’t consume it? |
|  | N/A | What are the advantages and disadvantages of buying from the grocery store: the farmers market? Create a T-chart of your answers |
|  | A nitrogen-based fertilizer | How is N used by the plant?What environmental impacts can N-based fertilizers have? |
|  | A phosphorous-based fertilizer | How is P used by the plant?What environmental impacts can P-based fertilizers have? |
|  | An organic fertilizer **and** an inorganic fertilizer | What is the difference between each?What are the pros and cons of each type? |
|  | A pesticide that is general **and** a pesticide that has a specific target | What are the advantages and disadvantages of each? |
|  | A plant that protects against pests | How could you use plants like this in an industrial-sized garden? |
|  | N/A | Ask 25 people: “do you think vegetarianism is good for the environment?” Create an appropriate graph |
|  | N/A | Ask 25 people: “do you think eating meat is bad for the environment?” Create an appropriate graph |