## Activity for the Periodic Table of Elements

* Look at the items in all 24 squares below in terms of similar characteristics
* You will arrange the squares into columns and rows based on a recognizable pattern of the items
* Fill in the bottom table showing your “Periodic Table of Foods” as follows:
* Give a name to each “Group” or “Family”
* The order of the foods should follow the order for the electromagnetic spectrum from lowest frequency (left side) to highest frequency (right side) as indicated in each square

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Pork 0.5 lb  radio | Salmon  steak  microwave | Beans  5 pods  ultraviolet | Milk  1 gallon  visible ROY | Grapes  1 twig  gamma | Beef  0.25 lb  radio | Tomato Soup  8 oz  infrared | Rye  1 loaf  visible GBIV |
| Stew  32 oz  infrared | Spaghetti  1 pot  x-rays | Bananas  1 bunch  gamma | Clams  1 bushel  microwave | Cheese  1 slice  visible ROY | Celery  1 stalk  ultraviolet | Eggs  1 dozen  visible ROY | Barley  1 stalk  visible GBIV |
| Chicken Noodle 16 oz  infrared | Wheat flour  2 lbs  visible GBIV | Shrimp  Cocktail  microwave | Rigatoni  1 bite  x-rays | Chicken   1. lb   radio | Apple  1 bushel  gamma | Cucumber  1 plant  ultraviolet | Macaroni  1 bowl  x-rays |

### Periodic Table of Foods

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Meat  radio | Seafood  microwave | Soup  infrared | Dairy  Visible ROY | Breads  Visible GBIV | Vegetables  ultraviolet | Pasta  x-rays | Fruit  gamma |
| Beef  0.25 lb | Shrimp  cocktail | Tomato Soup  8 oz | Cheese  1 slice | Rye  1 loaf | Beans  5 pods | Rigatoni  1 bite | Grapes  1 twig |
| Pork 0.5 lb | Salmon  steak | Chicken Noodle 16 oz | Eggs  1 dozen | Barley  1 stalk | Cucumber  1 plant | Macaroni  1 bowl | Bananas  1 bunch |
| Chicken  1.0 lb | Clams  1 bushel | Stew  32 oz | Milk  1 gallon | Wheat flour  2 lbs | Celery  1 stalk | Spaghetti  1 pot | Apple  1 bushel |

What guidelines did you use to make your Periodic Table of Foods?

* How did you determine “Groups”?

Similar food groups

* How did you determine “Periods” or “Rows”?

Increasing amounts within each food group