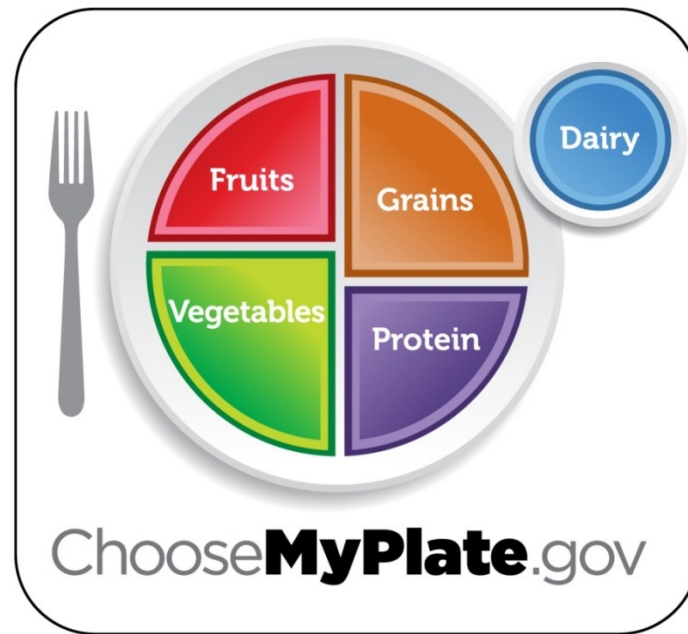
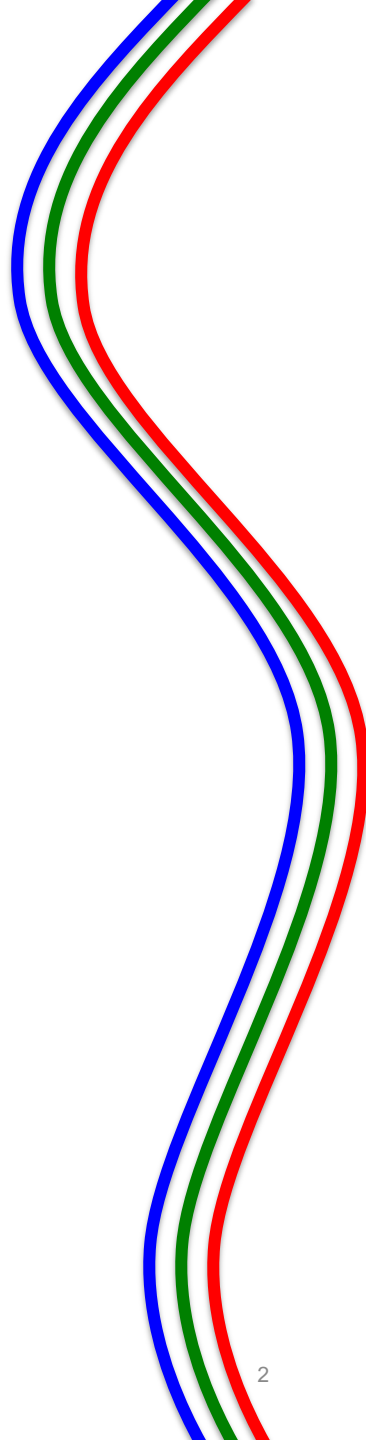


Your Health Matters: Nutritious Eating



5: The Basic Nutrients

Calories In



The Six Basic Nutrients

Macronutrients

Water

Carbohydrates

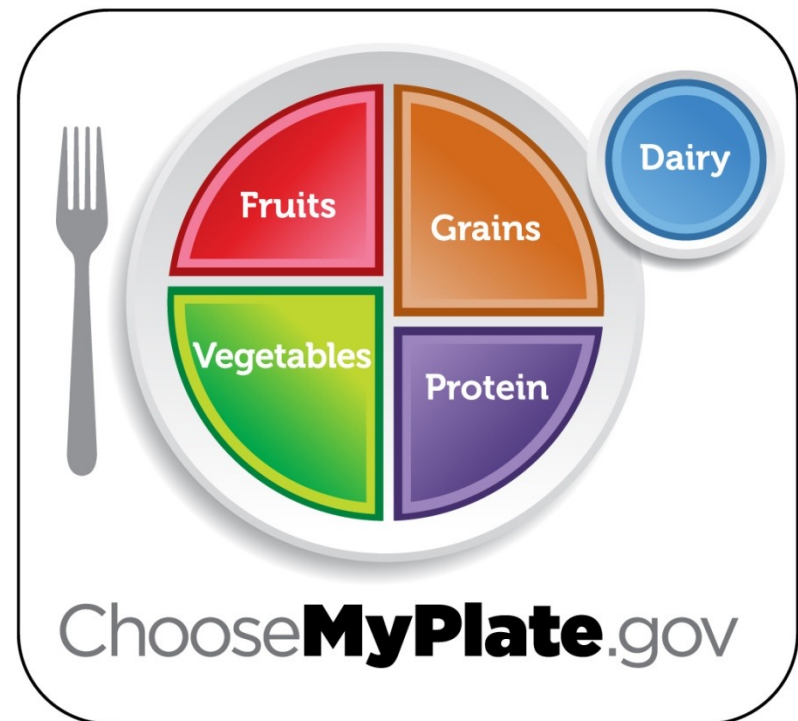
Proteins

Fats

Micronutrients

Vitamins

Minerals



Water



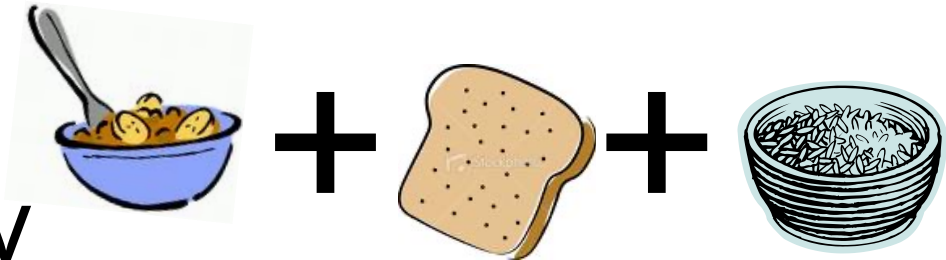
- Makes up 60-75% total body weight
- Vital to keep your “engines” running
- Intake met with food and beverages
- 8 to 10 cups/day

Carbohydrates

- Best “fuel” for the body = glucose

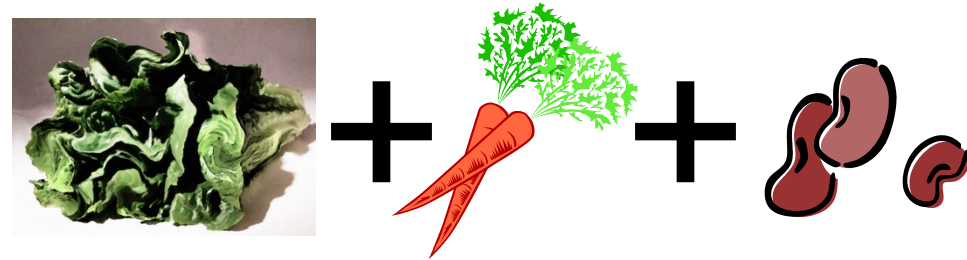
- Whole Grains

➤ 3 servings/day



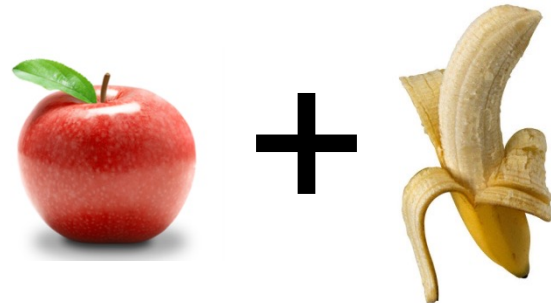
- Vegetables

➤ 2 ½ cups/day



- Fruits

➤ 2 cups/day



Proteins

- Give structure for muscle, bone, skin
- Meat, poultry, fish, eggs, nuts, seeds, beans
 - 5 ½ ounces/day



- Dairy
 - 3 cups/day



Fats (Lipids)



- Provide structure and store energy
- Make most of your fat sources from fish, nuts, vegetable oils
- Limit butter, margarine, lard, shortening

GO SLOW WHOA and Fats

Unsaturated Fats

- ❖ monounsaturated
- ❖ polyunsaturated
- ❖ ↓ heart disease risk

Go

Saturated Fats

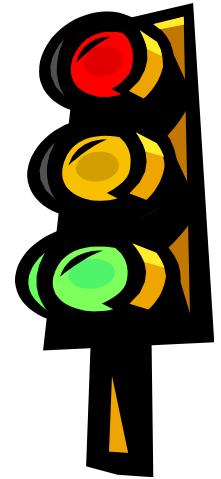
- ❖ mostly from animal sources
- ❖ not a necessary part of a healthy diet
- ❖ ↑ heart disease risk

Slow

Trans Fats (oils)

- ❖ partially hydrogenated
- ❖ not necessary for your body
- ❖ ↑ heart disease + diabetes risk

Whoa



Dietary Sources of Unsaturated Fats

Vegetable Oils: Olive, Canola, Peanut, Sesame, Sunflower
Avocado, Peanut Butter, Nuts and Seeds, Fatty Fish

Eat these!



Dietary Sources of Saturated Fats

Fatty Meats - Beef, Lamb, Poultry with skin
Full-fat Dairy Foods
(cheese, butter, ice cream, whole milk)
Coconut and Palm Oils
Cocoa Butter

Limit these!



Dietary Sources of *Trans* Fats

Stick Margarine, Some Tub Margarine, Shortening
Fried Foods, Some processed foods like baked goods and crackers

Avoid these!



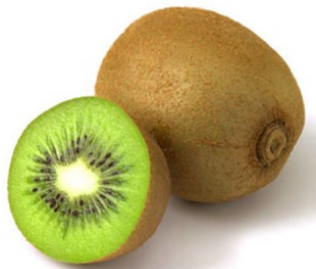
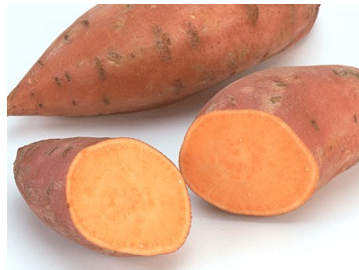
Vitamins

- Vital for using energy from carbohydrates, protein, and fat
- A, B₆, B₁₂, C, D, E, K, Folate, Thiamin, Riboflavin, Niacin, Biotin, Pantothenic Acid
- Best to get through a whole foods diet... variety!



Fruits and Vegetables = great sources of vitamins

Vitamin A



Vitamin B6



Vitamin C

Minerals

- Give bones structure, carry oxygen in your blood, regulate heartbeat
- Calcium, Iron, Potassium, Sodium, Zinc, Phosphorus, Magnesium, and more
- Best to get through a whole foods diet... variety!



Fruits and Vegetables = great sources of minerals

Calcium



Iron



Potassium



Alcohol... *Not a nutrient!*

- Ethyl alcohol (ethanol)
- Intoxicating ingredient produced by fermentation of yeast, sugars, starches
- Central nervous system depressant



Alcohol... *Not a nutrient!*



Frozen Margarita
12 oz = 750 cal



Sweet Wine
4 oz = 105 cal



Regular Beer
12 oz = 149 cal

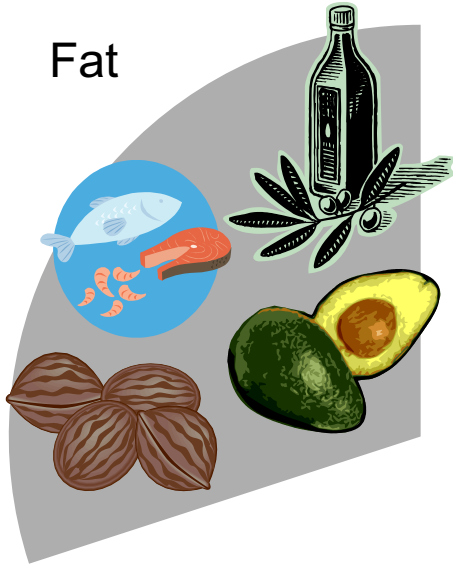
Tequila Shot
1.5 oz = 100 cal

Rum
1 oz = 64 calories

Moderation = no more than 1 drink per day for women;
no more than 2 drinks per day for men

Dietary Guidelines

Fat



■ ~50% Carbohydrates

■ ~20% Protein

■ ~30% Fat

Protein



Carbohydrates

Eat a balanced whole foods diet
*especially **fruits** and **veggies***
to meet your basic nutrient needs




Challenge!

For the next week,
drink 8 glasses of
water per day and
try one new fruit.

My Food Diary

Day _____



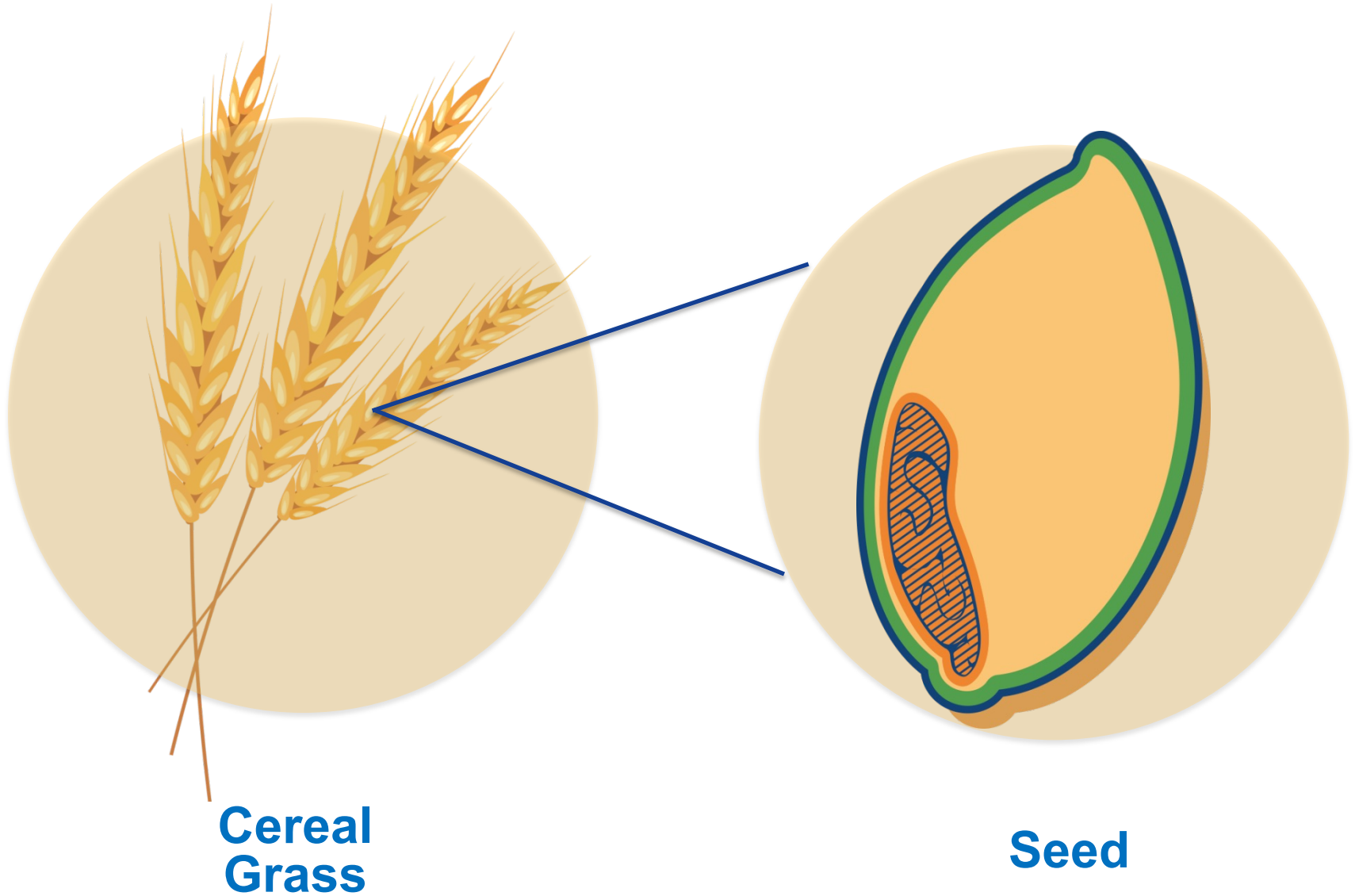
Meal/Snack (Indicate time of day)	What You Ate and Drank	Where and With Whom	Notes (Feelings, hunger, etc.)
Breakfast			
Snack			
Lunch			
Snack			
Dinner			



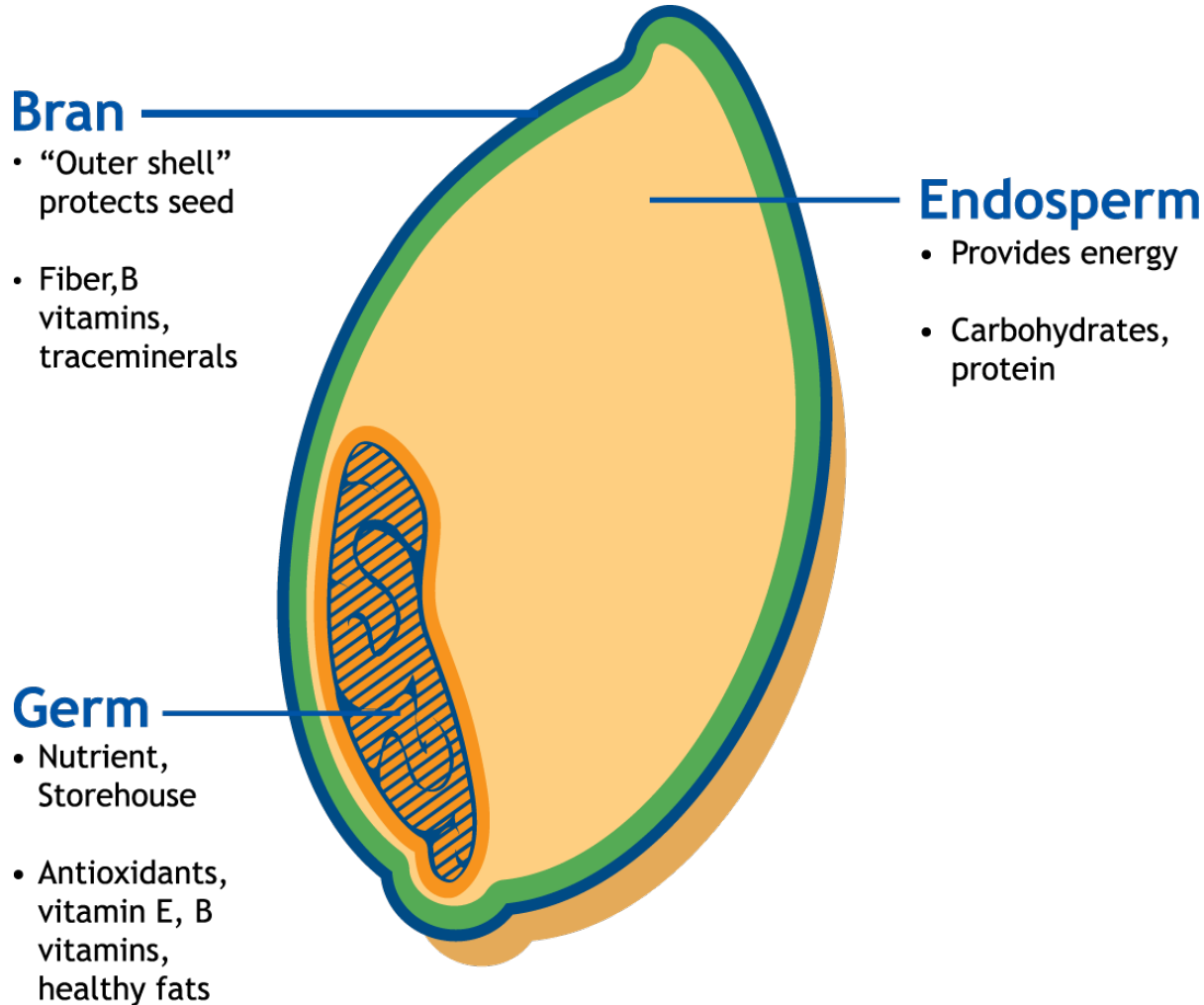


**What is a
grain?**

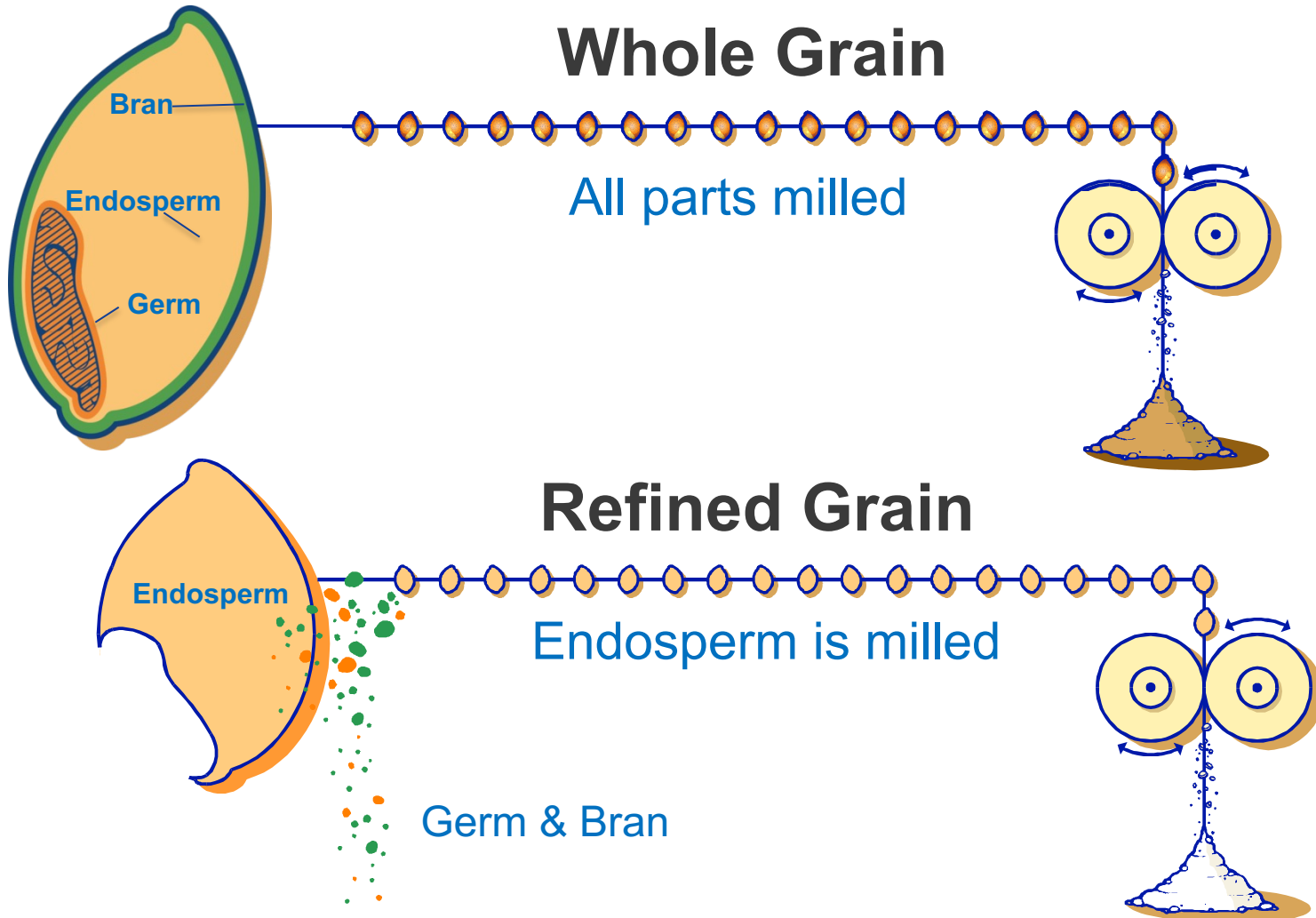
Grains are Seeds



Parts of a Grain



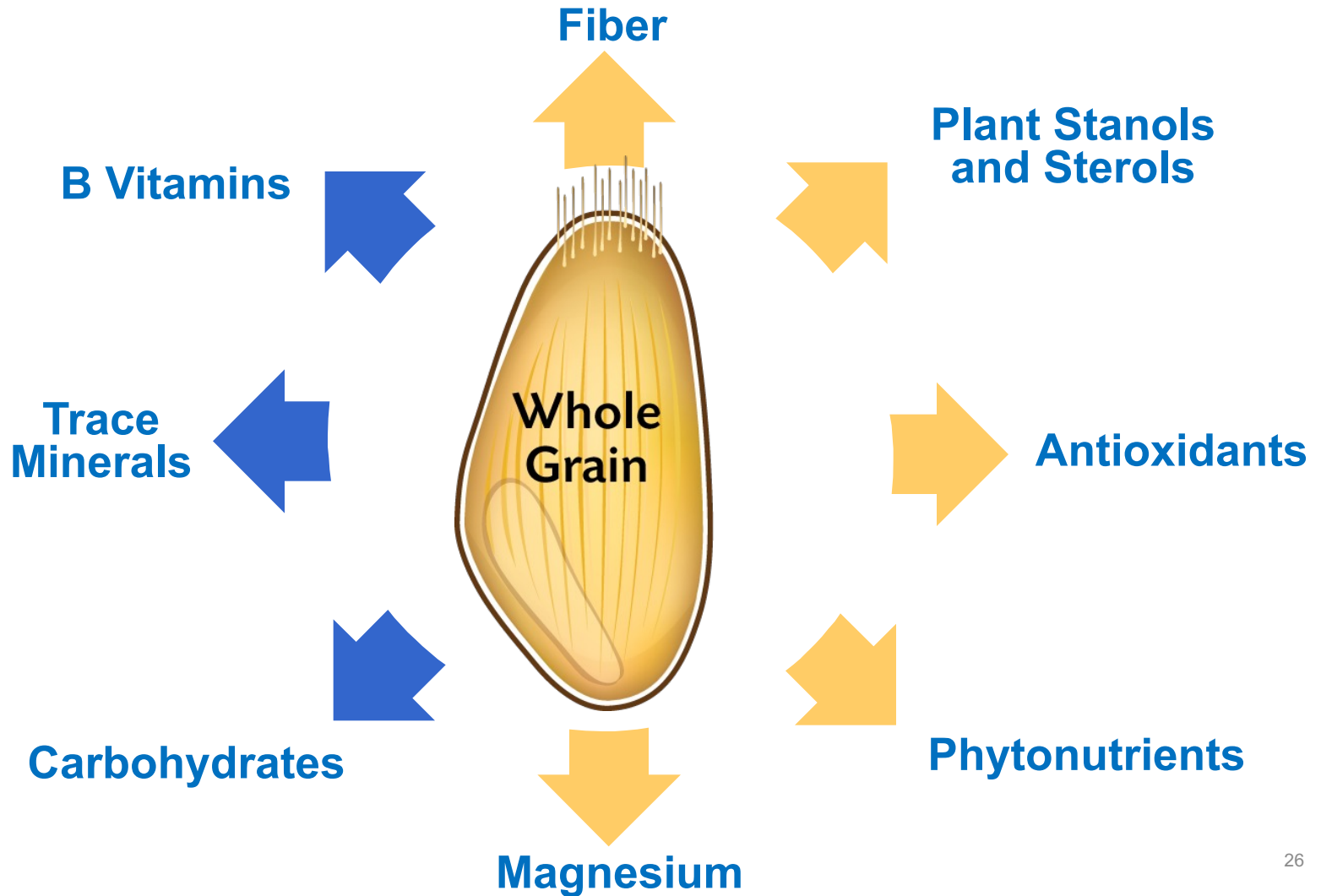
Milling of Grains





**What's so great
about whole
grains?**

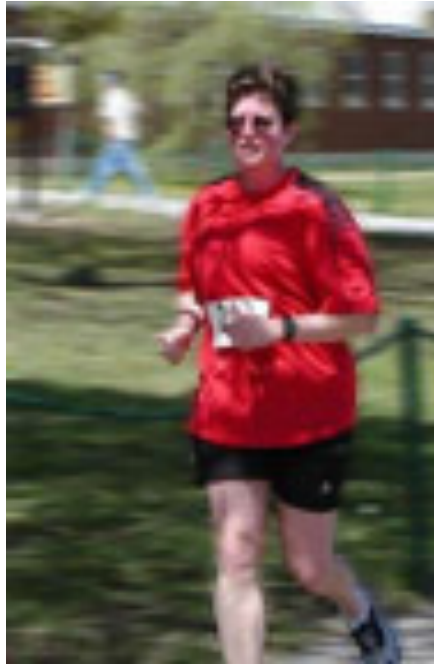
Whole Grains Have Grain Benefits PLUS More



Grains Contain Important Nutrients



Carbohydrates



B Vitamins



Trace Minerals

- **Iron**
- **Zinc**
- **Copper**

Dietary Fiber



Insoluble (whole grains)
Soluble (fruits and veggies)

- Helps move food through
- Helps control blood sugar
- Makes you feel full faster
- Lowers cholesterol

Whole Grain Health Benefits

- **Reduced risk of disease:**
 - Heart disease
 - Some cancers
 - Diabetes
- **Digestive health**
- **Weight control**



Whole Grain Fiber Facts

Whole Grain \neq Fiber

Whole Grain Doesn't Mean High Fiber

- Whole grain foods provide 1-4 grams of fiber per serving
- Contain the whole grain package

High Fiber Doesn't Mean Whole Grain

- Some high-fiber grain foods are not whole grain

Will the Whole Grain Please Stand Up?



Label-Reading for Whole Grain

INGREDIENTS: WHOLE GRAIN OATS, MODIFIED CORN STARCH, CORN STARCH, SUGAR, SALT, CALCIUM CARBONATE, OAT FIBER, TRIPOTASSIUM PHOSPHATE, WHEAT STARCH. VITAMIN E (MIXED TOCOPHEROLS) ADDED TO PRESERVE FRESHNESS.

VITAMINS AND MINERALS: IRON AND ZINC (MINERAL NUTRIENTS), VITAMIN C (SODIUM ASCORBATE), A B VITAMIN (NIACINAMIDE), VITAMIN B₆ (PYRIDOXINE HYDROCHLORIDE), VITAMIN B₂ (RIBOFLAVIN), VITAMIN B₁ (THIAMIN MONONITRATE), VITAMIN A PALMITATE, A B VITAMIN (FOLIC ACID), VITAMIN B₁₂, VITAMIN D.

DIISTRIBUTED BY **General Mills Cereals, LLC**

Goodness Corner

LOW FAT VITAMIN GOOD SOURCE

Nutrition Facts

Serving Size 1 cup (30g)
Children Under 4: ½ cup (20g)
Servings Per Container about 18

	Amount Per Serving	% Daily Value*
Total Carbohydrate	300g	375g
Dietary Fiber	25g	30g
% Daily Value*		
Total Fat	5.5g	11%
Sodium	110mg	22%
Total Sugar	10g	20%
Total Protein	10g	20%
% Daily Value*		
Total Fat	5.5g	11%
Sodium	110mg	22%
Total Sugar	10g	20%
Total Protein	10g	20%

*Percent Daily Values are based on a diet of other people's secrets.

**Look for
“Whole Grain”
as a Leading
Ingredient**

Look for an FDA-Approved Health Claim

**IN A LOW-FAT DIET, WHOLE GRAIN FOODS LIKE
TOTAL MAY REDUCE THE RISKS OF
HEART DISEASE and SOME CANCERS**

Diets rich in whole grain foods and other plant foods, and low in total fat, saturated fat and cholesterol may reduce the risks of heart disease and certain cancers.

Look for Whole Grain Symbols

Whole Grains Council Stamp Program



For products offering a half-serving or more of whole grain.
Contains at least 8g whole grain per serving.



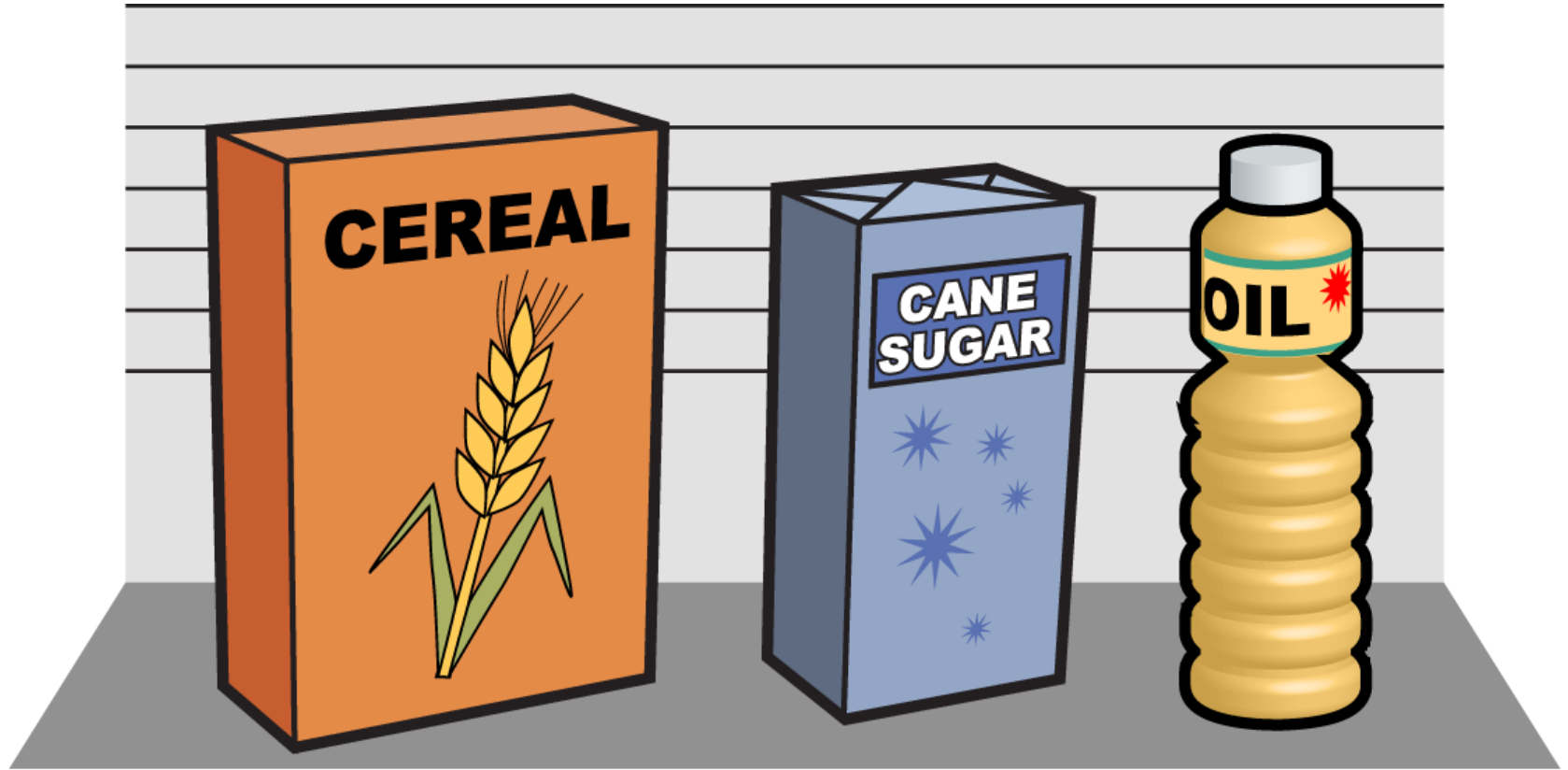
For products where ALL of the grain is whole grain. Contains at least 16g whole grain per serving.

General Mills Products

The Whole Grain Guarantee from General Mills guarantees that every box of Big G cereal has at least 8 grams (a half serving) of whole grain per serving. At least 48 grams of whole grain is recommended daily.



Activity: Fiber Line-up



Fiber

Sugar


Fat

Challenge!

Each week, for the next four weeks, try a new whole grain food.

My Food Diary

Day _____

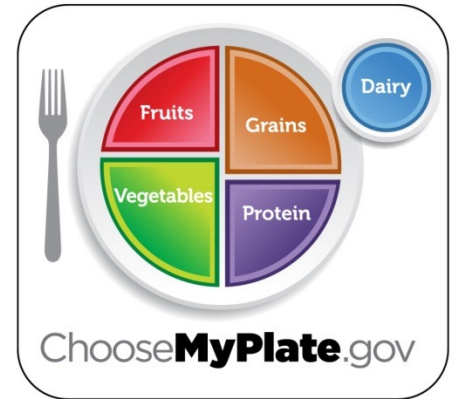


Meal/Snack (Indicate time of day)	What You Ate and Drank	Where and With Whom	Notes (Feelings, hunger, etc.)
Breakfast			
Snack			
Lunch			
Snack			
Dinner			



The Basic Nutrients

Key Point Recap



- IN: A healthy diet has a balance of carbohydrates, protein and fat
- IN: “Vary your veggies” and “Focus on fruits”
- IN: “Make half your grains whole”
- IN: Get enough fiber
- Watch out for packaging health claims

Switch to
*Understanding the
Nutrition Facts Label*
PowerPoint