

PAGES 160 TO 166 Complete this concept

\_\_\_\_\_ Date:\_

review handout and keep it as a record of what you have learned.

#### DEFINITIONS

- Food is <u>any substance</u> that is ingested and sustains life.
- A nutrient is a substance found in food that is used by the body to meet important needs.

\_ Group: \_\_\_

#### NUTRIENTS

Nutrient	Function	Sources	
Proteins	• Build and repair cells and tissues.	• Dairy products, meat, fish, eggs,	
	• Provide energy.	nuts, legumes, tofu	
<u>Carbohydrates</u>	• The body's main source of energy	• Monosaccharides and disaccha- rides: fruits and fruit juices,	
		pastries, sweets, granulated	
		sugar, etc.	
		• Polysaccharides (starch): breads,	
		cereals, pasta, potatoes, rice, etc	
Fats	• Provide energy.	• Vegetable oils, butter, French frie	
	<ul> <li>Protect organs and insulate the body</li> </ul>	croissants, non-skim dairy	
	from the cold.	products, fatty fish, etc.	
	• The building blocks of hormones		
	and cell membranes.		
Water	Transports nutrients and waste	• Fruits and fruit juice, soups, milk	
	products.	energy drinks, vegetables and	
	• Regulates body temperature.	vegetable juice, etc.	
	<ul> <li>Is essential in numerous chemical</li> </ul>		
	reactions in the body.		

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# NUTRIENTS (CONT.)

Nutrient	Function	Sources	
<u>Vitamins</u>	<ul> <li>Contribute to chemical reactions.</li> <li>Help in energy production.</li> <li>Help fight off infections.</li> <li>Repair damaged tissue, etc.</li> </ul>	• Fruits, vegetables, whole grains, dairy products	
Minerals	<ul> <li>Maintain fluid balance in the body.</li> <li>Help muscles contract.</li> <li>Build tissue.</li> <li>Transport oxygen in the blood, etc.</li> </ul>	• Dairy products, legumes, fish and other seafood, fruits, vegetables	

# AVERAGE ENERGY CONTENT IN NUTRIENTS

Nutrients	Energy content		
Nutrients	kJ/g	Cal/g	
Carbohydrates	17	4	
Fats	37	9	
Proteins	17	4	
Water	Nil	Nil	
Vitamins	Nil	Nil	
Minerals	Nil	Nil	

### RECOMMENDATIONS FROM CANADA'S FOOD GUIDE FOR 14- TO 18-YEAR-OLDS

Food groups	Number of se Females	rvings per day Males	Servings
Fruits and vegetables	7	8	1 orange125 mL juice250 mL lettuce125 mL of broccoli
Grain products	6	7	1 slice of bread125 mL rice30 g cold cereal
Milk and alternatives	3-4	3-4	250 mL milk 50 g cheese 175 g yogurt
Meat and alternatives	2	3	75 g fish, lean meat or cooked poultry 2 eggs