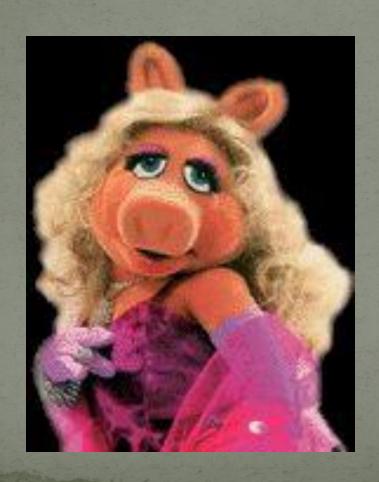


NUTRITION AND YOUR BODY

Answering the question-Why Should You Care What You Are Eating???

Too many Americans think like this . . .



"Never eat more than you can lift."

- Miss Piggy

Portion Distortion

Nutrients Needed By the Body

6 Main Nutrients

Vitamins

Minerals

Water

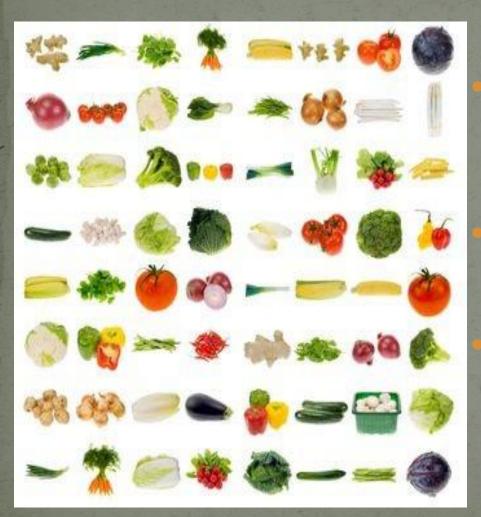
Carbohydrates

Protein

Fat



Vitamins



Keep body's tissue healthy and systems working properly

Help carbs, fats, and protein do their work

Protect against illnesses such as heart disease and cancer

General Hints About Vitamins

Eat dark green leafy vegetables

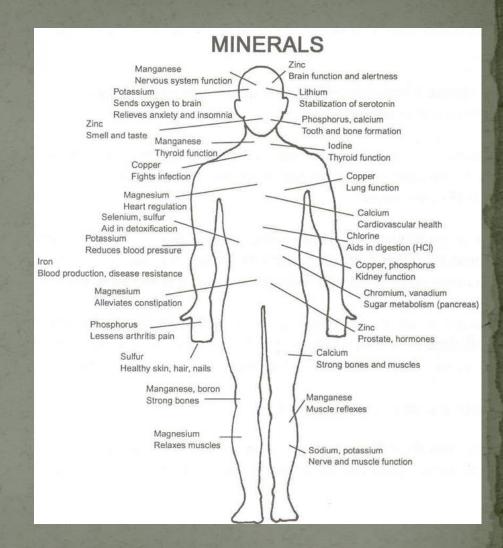


Eat yellow and orange fruits and vegetables

- Eat foods rather than supplements
 - Foods contain other nutrients
 - Vitamins in foods are more easier absorbed in the body

MINERALS

- Most minerals become part of the body
 - Teeth
 - Bones
- Maintain body's fluid balance



General Hints About Minerals

 Eat a VARIETY of healthful foods

Pay particular attention to:

CALCIUM

 Dairy foods, dry beans/peas, dark green leafy vegetables

IRON

 Lean red meat, dry bean/peas, dark green leafy vegetables



Reducing Sodium in Your Diet

 Add spices or herbs to season food without adding salt

- Taste food before adding salt.
- Read the Nutrition Facts Panel of pre-packaged foods like soups, breads, broths, frozen meals or canned vegetables. Look for labels that say "low sodium," "very low sodium" or "sodium-free."
- Avoid processed meats such as ham, sausage, hot dogs and luncheon or deli meats.

WATER



- Up to 70% of body is made of water
- Keeps normal body temperature
 - Ex. Perspiring cools down your body
- Helps chemical reactions in the body

Drink 6-8 glasses of liquid each day

Water	Milk
Popsicles (Try sugar free!)	Soups
Fruits	Vegetables







FAT

There is so much hype about fat . . .

IS FAT BAD FOR YOU???

General Body Fat Percentage Categories			
Classification:	Women:	Men:	
Essential Fat	10 - 12%	2 - 4%	
Athletes	14 - 20%	6 - 13%	
Fitness	21 - 24%	14 - 17%	
Acceptable	25 - 31%	18 - 25%	
At Risk	32% plus	25% plus	

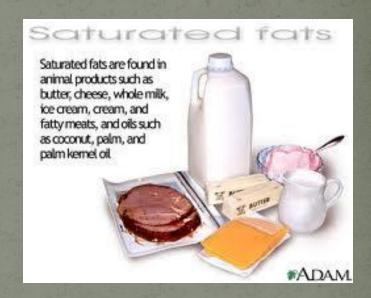
No . . . Our bodies **NEED** fat

- Functions
 - Stores fat for energy
 - Protects internal organs from injury
 - Insulates the body from shock and temperature changes

Sources of Fat

SATURATED FATS:

- Typically solid at room temperature
- Primarily animal sources
 - Ex. Butter and animal fat
- Palm and coconut oils
 - Often found in snack foods
- LINKED TO HEART DISEASE



Sources of Fat

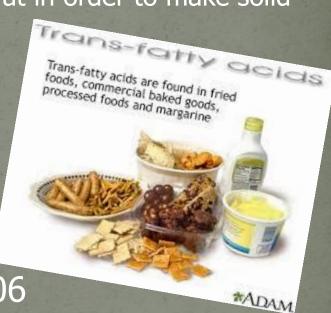
TRANS FATS

Created after heating or hydrogenating oil
 Hydrogenation: Adding hydrogen to liquid fat in order to make solid

Found mainly in processed foods

LINKED TO HEART DISEASE

Required on food labels as of 2006



Sources of Fat

UNSATURATED FATS

- Generally liquid at room temperature
- Olive oil and canola oil are the healthiest fats in the human diet
 - FIGHT AGAINST HEART DISEASE!!







Tips for Fat Intake

- Fat is found in almost all foods
- Choose healthy meals and snacks
 - Whole grain, fruits, vegetables, lean meat w/out skin
- Limit intakes of fats, oils, and sweets

Calories	68% ▼ '07-	10
Total fat	67% ▼ '07	
Sodium/salt	61%	
Sugars	55% ▼ '07-	10
Saturated fat	53%	
Trans fat	51% ▼ '07,	'08

CARBOHYDRATES



MAIN SOURCE OF ENERGY FOR THE BODY!!!!

Sources of Carbohydrates

- Mainly foods from plant sources
- Generally are the least expensive foods to buy!



Types of Carbohydrates

Complex

- Used for LONG TERM energy
 - Bread, cereal, potatoes, pasta, rice, and legumes

Simple

- Used for FAST energy, but not to sustain
- Fruit, fruit juice, table sugar, honey, soft drinks, and other sweets





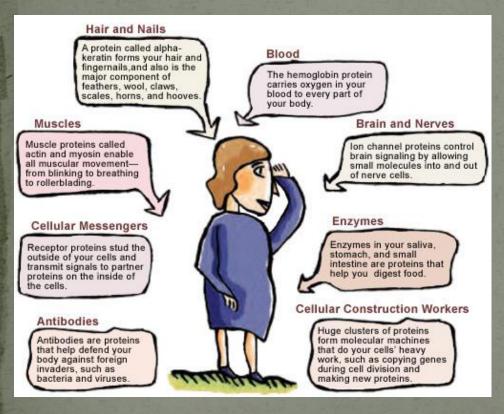


Fiber . . . Although NOT a nutrient . . .



- Found in many highcarb foods
- **Lowers cholesterol**
- Aids bowel movements
- Reduces colon cancer
- Sources:
 - Oat bran
 - Whole wheat products
 - Fruit and vegetable skins

PROTEIN



- Helps body repair and grow cells
- Maintains hair, eyes, skin, and muscles
- Aids immune system
- Provides energy

PROTEIN CAN
ONLY DO ALL
OF ITS JOBS **IF** THE BODY
IS GETTING ENOUGH
CARBS AND FATS

Sources of Protein

- Meat
- Poultry
- Seafood
- Nuts
- Dry beans
- Soy



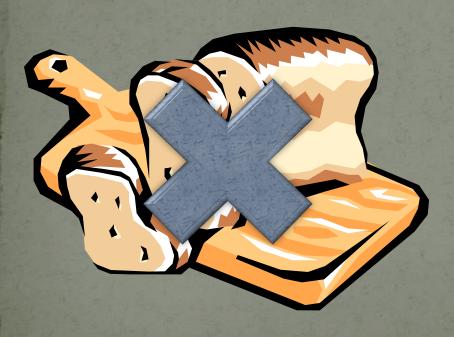
High Protein, Low Carb Controversy

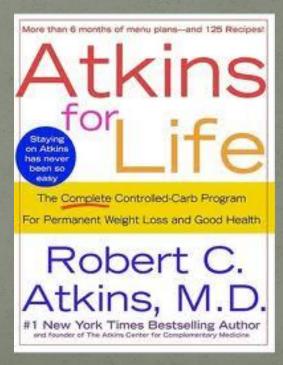




THE ATKINS DIET and other diets similar to it:

- Suggests to do the following:
 - Eat high protein foods
 - Eat few high-carbohydrate foods





Is Atkins a good choice?

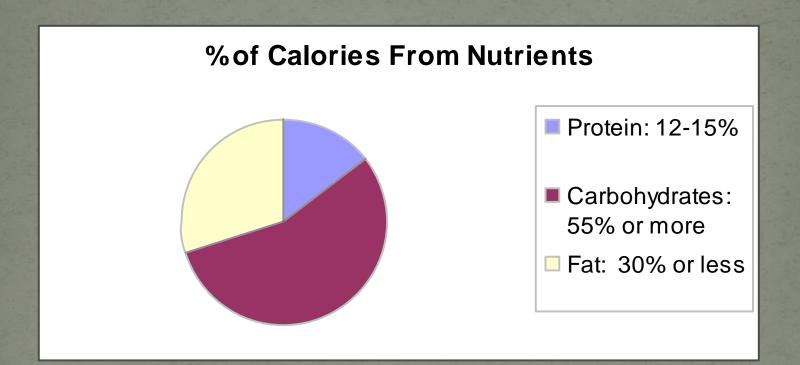
- Consider what you know about all the nutrients . . .
 - Discuss with a partner your opinion about the Atkins diets regarding its health benefits vs. possible negative effects.



What do the experts say about the low carb, high protein diets?

- Body goes into survival mode and feeds energy off protein
- MISSING:
 - Fiber
 - Protein not working to full potential
- REMEMBER protein cannot complete all of its functions if <u>carbohydrates</u> and <u>fats</u> are not part of the diet.

What should you do?



Web-Site to Visit

Click on picture for link



Washing Produce, Cutting Boards & Storage Containers

It's not just your hands that need washing during food preparation. To prevent foodborne illness, it's also important to know how to properly wash produce, cutting boards and food containers.

Learn More »





REMEN

• Which nutrient is the body's main source of energy?

A. Protein

B. Carbohydrates

C. Fat

D. Minerals

What nutrient provides insulation to the body?

A. Fat

B. Carbohydrates

C. Protein

D. Vitamins

 Which nutrient aids the immune system and helps maintain hair, eyes, skin, and muscles?

A. Fat

C. Carbohydrates

B. Minerals

D. Protein

 Why should we eat foods to get our vitamins rather than take supplements?

A. Vitamins in foods are more easily absorbed by the body

C. Both A and B

B. Food contains other nutrients in addition to vitamins

D. None the above

 What percentage of our calories should come from fat?

A. <u>30</u>%

B. <u>60%</u>

C. <u>15%</u>

D. <u>55%</u>

 What do many high-carbohydrate foods contain that help reduce cholesterol and chance of cancer?

A. Calcium

B. Potassium

C. Fiber

D. Iron

 Which mineral below do we need to pay particular attention to when making food choices?

A. Iron

B. Calcium

C. Sodium

D. All of the above

QUESTION 8

• Which of the following is a function of water?

A. Regulate body temperature

C. <u>Provide the</u> body with energy

B. Aid the immune system

D. <u>Protect the body's</u> internal organs from injury

QUESTION 9

• Which of the following is NOT a nutrient?

A. Water

B. Protein

C. Fat

D. Fiber

QUESTION 10

• What problems can occur with the Atkins diet?

A. Protein cannot perform all of its functions

C. <u>Body has to shift</u> into survival mode

B. Fiber often lacking in diet w/out supplements

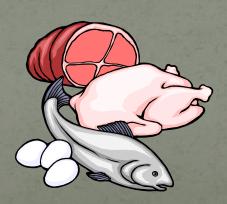
D. All of the above

CONGRATULATIONS

You possess the knowledge to make wise, healthy food choices!!!

USE YOUR KNOWLEDGE!!!







Continue ...