SAMPLE PREGAME MEAL

1 to 2 cups pasta with $1^{1/2}$ cups tomato meat sauce Bread Milk (low-fat or skim) Orange juice Oatmeal raisin cookie Water

If there is not enough time for a pregame meal, then a small cartrate snack, such as whole-wheat bread with peanut butter and a, juice, and water, can be consumed one to two hours prior to

CALCULATING "IDEAL" WEIGHT OR ATHLETES

emple of all ages. One way is to calculate body mass index (BMI). reliable indicator of total body fat, which is related to the risk and death. The score is valid for both men and women, but have some limits:

- It may overestimate body fat in athletes and others who have a muscular build.
- may underestimate body fat in older persons and others who have lost muscle mass.
- determine BMI, weight in pounds is divided by height in inchwided again by height in inches and multiplied by 703.
- Weight in pounds ÷ Height in inches ÷ Height in inches x 703
- person weighing 210 pounds who is 6 feet tall would calas follows:

210 pounds ÷ 72 inches ÷ 72 inches × 703 = 28.5

body mass index (BMI) The medical standard used to define obesity.

As outlined in Table 8-6:

- Normal weight= 18.5–24.9
- Overweight = 25–29.9
- Obesity = BMI of 30 or greater

One traditional method of calculating one's ideal weight is the use of a weight chart (Table 8-7). Height and weight charts are useful for comparing others of the same age and gender. Weight charts are based on a national average.

Table 8-6 Body Mass Index

ARE YOU AT A HEALTHY WEIGHT?

BMI (Body Mass Index) Height* 18.5 30 6'6" 6'5" 6'4" 6'3" 6'2" 6'1" 6'0" 5'11 5'10' 5'9" 5'8" 5'7" 5'6" 5'5" 5'4" 5'3" 5'2" 5'1" 5'0" 4'11' 4'10" 50 75 100 125 150 175 200 225 250

BMI measures weight in relation to height. The BMI ranges shown above are for adults. They are not exact ranges of healthy and unhealthy weights. However, they show that health risk increases at higher levels of overweight and obesity. Even within the healthy BMI range, weight gains can carry health risks for adults.

Pounds[†]

*Without shoes. †Without clothes.

Directions: Find your weight on the bottom of the graph. Go straight up from that point until you come to the line that matches your height. Then look to find your weight group.

Healthy Weight BMI from 18.5 up to 25 refers to healthy weight.

Overweight BMI from 25 up to 30 refers to overweight.

Obese BMI 30 or higher refers to obesity. Obese persons are also overweight.

Source: Report of the Dietary Guidelines Advisory Committee on the Dietary Guidelines for Americans, 2000.

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Table 8	Jack Assessed, V. V.	- Celakan	STATE OF
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WHAT IS YOUR IDEAL WEI	GH'	17	
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101.0		WOMEN	
Weight (in pounds)	Height	Woight (in nound)	
115–121	The second secon	Weight (in pounds	
120-129		98–102	
125–137			
130–145		103–106	
135–153		106-112	
140–161		109–118	
145–169		112–124	
150–177		115–130	
155–185		118–136	
160–193		121–142	
		124–148	
		127–153	
The state of the s		130–158	
		133–163 136–168	
	120–129 125–137 130–145 135–153 140–161 145–169 150–177	120–129 5'0" 125–137 5'1" 130–145 5'2" 135–153 5'3" 140–161 5'4" 145–169 5'5" 150–177 5'6" 155–185 5'7" 160–193 5'8" 165–201 5'9" 170–209 5'10" 175–217 5'11"	

CONCLUSION

multic performance can be attributed in part to a sound understandnutritional principles. Proper nutrition can reduce the likelihood and allow the athlete to perform at a higher level. standing these principles will help the athlete make informed

Disordered eating is an extreme expression of food and weight experienced by many individuals, particularly girls and women. disorders include anorexia nervosa, bulimia nervosa, and binge These disorders cause very dangerous behaviors that result in problems.

sathletes become aware of the nutritional components of the eat, they will have fewer problems associated with poor



- 1. Explain how energy is used to maintain body functions.
- 2. Briefly explain the seven food components and nutrients.
- **3.** What is insulin and how is it used by the body?
- 4. A person requires 2,800 kcals each day to maintain weight. How many true calories is this?
- 5. What foods are monosaccharides, disaccharides, and polysaccharides found in?
- 6. How are food proteins converted into amino acids?
- 7. How can you limit the amount of fat in your diet?
- 8. What are vitamins and why are they important for the body?
- **9.** What is the difference between fat-soluble and water-soluble vitamins?
- 10. Why is severe mineral deficiency unusual in the Western world?
- 11. How much water will your body naturally lose each day?
- 12. Why is prehydration important before exercise or athletics?
- 13. How are the DRVs for energy-producing nutrients calculated?
- 14. Why was the Food Guide Pyramid developed?
- 15. List the nutritional guidelines developed by the USDA and HHS
- 16. What are the differences and similarities between the U.S. For Guide Pyramid and the Mediterranean, Asian, and Latin American diet pyramids?
- 17. What are the six food groups in the USDA Food Guide Pyramid?
- 18. What is nutritional quackery?
- 19. List some of the methods girls and women use to lose weight.
- 20. What are the dangers of anorexia nervosa and bulimia?
- 21. What percentage of males have disordered eating?
- **22.** How do you calculate BMI? Calculate your BMI, showing how you came up with this number.

PROJECTS AND ACTIVITIES

- 1. Track your dietary intake for one day. Include everything you consume, including water. Be sure to list the quantities of the food and drinks you consume as closely as possible. After compiling your list, determine the amount of each of the food components your consumed during the day. How does your list compare with the DRVs developed by the National Academy of Sciences?
- 2. Create a food pyramid typical of the types of foods teenagers entoday.