

Test Bank for Fitness and Wellness 12th Edition by Hoeger ISBN  
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1. The 1.5-Mile Run Test is a submaximal exercise test.

- a. True
- b. False

*ANSWER:* False

*REFERENCES:* 2.4 Cardiorespiratory Endurance

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

*OTHER:* Bloom's: Remember

2. A negative caloric balance leads to a decrease in lean body mass.

- a. True
- b. False

*ANSWER:* True

*REFERENCES:* 2.8 Effects of Exercise and Diet on Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.9 - Learn to assess disease risk based on body mass index (BMI), waist circumference, and waist-to-height ratio.

*OTHER:* Bloom's: Remember

3. The 1.0-Mile Walk Test alone can determine an individual's overall level of fitness.

- a. True
- b. False

*ANSWER:* False

*REFERENCES:* 2.3 Fitness Assessment Battery

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

*OTHER:* Bloom's: Remember

4. Too much flexibility leads to unstable and loose joints, which may actually increase the injury rate.

- a. True
- b. False

*ANSWER:* True

*REFERENCES:* 2.6 Muscular Flexibility

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

*OTHER:* Bloom's: Remember

Multiple Choice

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5. BMI is calculated by multiplying your weight in pounds by\_\_\_\_\_and dividing this figure by the square of the height in inches.

- a. 575
- b. 625

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- c. 705
- d. 815
- e. 945

*ANSWER:* c

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

6. Regarding skinfold thickness measurements,\_\_\_\_\_.
- a. use the chest, abdomen, and thigh skinfolds for women
  - b. use the triceps, suprailium, and thigh skinfolds for men
  - c. all measurements are taken on the right side of the body with the person standing
  - d. all measurements are taken on the left side of the body with the person lying in a supine position
  - e. measure each site twice

*ANSWER:* c

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

7. Which body composition assessment method can also be used to measure bone density?
- a. hydrostatic weighing
  - b. air displacement
  - c. skinfold thickness
  - d. bioelectrical impedance
  - e. DXA

*ANSWER:* e

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

8. Essential fat constitutes about \_\_\_\_\_percent of the total weight in men and \_\_\_\_\_percent in women.
- a. 3; 12
  - b. 5; 15
  - c. 7; 18
  - d. 9; 16
  - e. 11; 14

*ANSWER:* a

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.6 - Understand the components of body composition.

*OTHER:* Bloom's: Remember

9. Much of the blood glucose from food consumption goes to the muscles, where it is stored as \_\_\_\_\_.
- a. triglycerides
  - b. glycogen

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- c. protein
- d. glucagon
- e. sucrose

*ANSWER:* b

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular endurance.

*OTHER:* Bloom's: Remember

10. The ability of a muscle to exert submaximal force repeatedly over time is known as\_\_\_\_\_.

- a. isometric training
- b. progressive resistance
- c. muscular strength
- d. hypertrophy
- e. muscular endurance

*ANSWER:* e

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular endurance.

*OTHER:* Bloom's: Remember

11. Researchers believe that\_\_\_\_\_secretes harmful inflammatory substances that contribute to chronic conditions.

- a. visceral fat
- b. subcutaneous fat
- c. retroperitoneal fat
- d. essential fat
- e. lean body mass

*ANSWER:* a

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

12. According to the BMI, the lowest risk for chronic disease is in the\_\_\_\_\_range.

- a. 18 to 21
- b. 22 to 25
- c. 26 to 29
- d. 30 to 33
- e. 34 to 37

*ANSWER:* b

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

13. Which muscular endurance test is done by men only?

- a. Modified Push-Up

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- b. Bench Jump
- c. 1 RM
- d. Modified Dip
- e. Abdominal Crunch

*ANSWER:* d

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.4 - Learn to assess muscular strength.

*OTHER:* Bloom's: Remember

14. Muscular flexibility relates primarily to\_\_\_\_\_and the index of physical activity.

- a. body temperature
- b. age
- c. gender
- d. genetic factors
- e. weight

*ANSWER:* d

*REFERENCES:* 2.6 Muscular Flexibility

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

*OTHER:* Bloom's: Remember

15. Which body composition assessment method is most frequently used in research and by medical facilities?

- a. air displacement
- b. bioelectrical impedance
- c. DXA
- d. hydrostatic weighing
- e. skinfold thickness

*ANSWER:* c

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

16. Some research indicates that lack of improvement in cardiorespiratory endurance among nonresponders might be related to low levels of\_\_\_\_\_.

- a. leg strength
- b. blood glucose
- c. upper body strength
- d. overall flexibility
- e. body fat

*ANSWER:* a

*REFERENCES:* 2.2 Responders Versus Nonresponders

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

*OTHER:* Bloom's: Remember

17. In general, what is the single most important component of health-related physical fitness?

- a. body weight

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- b. muscular flexibility
- c. muscular endurance
- d. muscular strength
- e. cardiorespiratory endurance

*ANSWER:* e

*REFERENCES:* 2.4 Cardiorespiratory Endurance

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

*OTHER:* Bloom's: Remember

18. Which health-related component of physical fitness seems to be the most important in the older-adult population?

- a. muscular strength
- b. muscular endurance
- c. muscular flexibility
- d. cardiorespiratory endurance
- e. body weight

*ANSWER:* a

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular endurance.

*OTHER:* Bloom's: Remember

19. Richard is a 42-year-old male. What is his recommended body fat percent range?

- a. 12–20%
- b. 13–21%
- c. 14–22%
- d. 17–25%
- e. 18–26%

*ANSWER:* b

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

20. Susan is a 25-year-old female. What is her recommended body fat percent range?

- a. 12–20%
- b. 13–21%
- c. 14–22%
- d. 17–25%
- e. 18–26%

*ANSWER:* d

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

21. Which activity will most likely promote cardiorespiratory endurance?

- a. plyometrics

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- b. yoga
- c. calisthenics
- d. lifting weights
- e. cross-country skiing

ANSWER: e

REFERENCES: 2.4 Cardiorespiratory Endurance

LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

OTHER: Bloom's: Remember

22. Cardiorespiratory endurance is determined by\_\_\_\_\_.

- a. maximum heart rate
- b. resting heart rate
- c.  $VO_{2max}$
- d. blood oxygen saturation
- e. blood pressure during exercise

ANSWER: c

REFERENCES: 2.4 Cardiorespiratory Endurance

LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

OTHER: Bloom's: Remember

23. The human body burns about \_\_\_\_\_calories for each liter of oxygen consumed.

- a. 2
- b. 5
- c. 8
- d. 12
- e. 15

ANSWER: b

REFERENCES: 2.4 Cardiorespiratory Endurance

LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

OTHER: Bloom's: Remember

24. What information is needed to complete the equation to determine your estimated  $VO_{2max}$  after the 1.0-Mile Walk Test?

- a. age
- b. BMI
- c. resting heart rate
- d. gender
- e. weight in kilograms

ANSWER: d

REFERENCES: 2.4 Cardiorespiratory Endurance

LEARNING OBJECTIVES: FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

OTHER: Bloom's: Remember

25. A maximal oxygen uptake of 45 mL/kg/min for a male who is 22 is considered\_\_\_\_\_.

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- a. poor
- b. fair
- c. average
- d. good
- e. excellent

*ANSWER:* d

*REFERENCES:* 2.4 Cardiorespiratory Endurance

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

*OTHER:* Bloom's: Remember

26. Which assessment gives a good measure of absolute strength but also requires a basic skill level and a considerable amount of time to administer?

- a. Bench Jump
- b. Modified Push-up
- c. Modified Dip
- d. Bent-Leg Curl-up
- e. 1 RM

*ANSWER:* e

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.4 - Learn to assess muscular strength.

*OTHER:* Bloom's: Remember

27. A WC of more than \_\_\_\_\_ inches in men and \_\_\_\_\_ inches in women indicates a higher risk for cardiovascular disease, hypertension, and type 2 diabetes.

- a. 32; 35
- b. 35; 38
- c. 38; 40
- d. 40; 35
- e. 42; 32

*ANSWER:* d

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

28. During the Abdominal Crunch test, you should \_\_\_\_\_.

- a. shrug your shoulders
- b. place your chin against your chest
- c. regulate your cadence with a metronome set at 60 beats per minute
- d. cross your arms in front of your chest
- e. lie on the floor in a supine position with your legs straight

*ANSWER:* c

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.4 - Learn to assess muscular strength.

*OTHER:* Bloom's: Remember



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29. Flexibility exercises have been prescribed successfully to treat\_\_\_\_\_.
- a. dysmenorrhea
  - b. type 2 diabetes
  - c. arthritis
  - d. varicose veins
  - e. gastrointestinal problems

*ANSWER:* a

*REFERENCES:* 2.6 Muscular Flexibility

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

*OTHER:* Bloom's: Remember

30. If you engage in a diet and exercise program, you should repeat body composition measurements about \_\_\_\_\_to monitor changes in lean and fat tissue.
- a. once a week
  - b. once a month
  - c. every 3 months
  - d. every 6 months
  - e. once a year

*ANSWER:* b

*REFERENCES:* 2.8 Effects of Exercise and Diet on Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.9 - Learn to assess disease risk based on body mass index (BMI), waist circumference, and waist-to-height ratio.

*OTHER:* Bloom's: Remember

31. Sports medicine specialists believe that many muscular/skeletal problems and injuries, especially in adults, are related to a lack of\_\_\_\_\_.
- a. strength
  - b. cardiorespiratory endurance
  - c. flexibility
  - d. balance
  - e. coordination

*ANSWER:* c

*REFERENCES:* 2.6 Muscular Flexibility

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

*OTHER:* Bloom's: Remember

32. The Modified Sit-and-Reach Test is used to assess\_\_\_\_\_flexibility.
- a. quadriceps
  - b. hip
  - c. hamstring and low back
  - d. shoulder and chest
  - e. back and abdominal

*ANSWER:* c

*REFERENCES:* 2.6 Muscular Flexibility

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

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**OTHER:** Bloom's: Remember

33. During aerobic exercise, the average person trains at between \_\_\_\_\_ percent of maximal oxygen uptake.
- a. 40 and 70
  - b. 50 and 75
  - c. 60 and 80
  - d. 70 and 85
  - e. 80 and 90

**ANSWER:** b

**REFERENCES:** 2.4 Cardiorespiratory Endurance

**LEARNING OBJECTIVES:** FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

**OTHER:** Bloom's: Remember

34. A WHtR of .6 indicates a(n) \_\_\_\_\_ disease risk.
- a. increased
  - b. very low
  - c. moderate
  - d. high
  - e. extremely high

**ANSWER:** b

**REFERENCES:** 2.7 Body Composition

**LEARNING OBJECTIVES:** FITW.HOEG.17.2.7 - Be able to assess body composition.

**OTHER:** Bloom's: Remember

Matching

*Select the key term that is most associated with the description below. Each term is used only once.*

- a. android obesity
- b. BMI
- c. functional independence
- d. gynoid obesity
- e. metabolic profile
- f. principle of individuality
- g. resting metabolism
- h. sarcopenia
- i. stretching
- j.  $VO_{2max}$

**REFERENCES:** 2.4 Cardiorespiratory Endurance  
2.7 Body Composition

Muscular Fitness  
Muscular Flexibility

2.3 Fitness Assessment Battery  
2.2 Responders Versus Nonresponders

**LEARNING OBJECTIVES:** FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.  
FITW.HOEG.17.2.2 - Be able to assess cardiorespiratory fitness.

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FITW.HOEG.17.2.3 - Understand the difference between muscular strength and muscular endurance.

FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

35. the ability to carry out activities of daily living without assistance from other individuals

*ANSWER:* c

36. obesity pattern seen in people who store fat primarily around the hips and thighs

*ANSWER:* d

37. age-related loss of lean body mass, strength, and function

*ANSWER:* h

38. the energy requirement to maintain the body's vital processes in the resting state

*ANSWER:* g

39. moving the joints beyond the accustomed range of motion

*ANSWER:* i

40. obesity pattern seen in individuals who tend to store fat in the trunk or abdominal area

*ANSWER:* a

41. result of the assessment of diabetes and cardiovascular disease risk through plasma insulin, glucose, lipid, and lipoprotein levels

*ANSWER:* e

42. an index that incorporates height and weight to estimate critical fat values at which risk for disease increases

*ANSWER:* b

43. maximum amount of oxygen the human body is able to utilize per minute of physical activity

*ANSWER:* j

44. training concept that states that genetics plays a major role in individual responses to exercise training and that these differences must be considered when designing exercise programs for different people

*ANSWER:* f

Subjective Short Answer

45. Differentiate between health fitness standards and physical fitness standards.

*ANSWER:* Health fitness standards are the lowest fitness requirements for maintaining good health, decreasing the risk for chronic diseases, and lowering the incidence of muscular/skeletal injuries. Attaining the health fitness standards requires only moderate amounts of physical activity. The physical fitness standard is set higher than the health fitness standard and requires a more vigorous exercise program. Physical fitness standards are required criteria to achieve a high level of physical fitness and the ability to do moderate-to vigorous physical activity without undue fatigue.

*REFERENCES:* 2.3 Fitness Assessment Battery

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.1 - Identify the health-related components of physical fitness.

*OTHER:* Bloom's: Remember

Essay

46. Describe the correct anatomical landmarks for all five skinfold sites.

- ANSWER:*
- Chest: a diagonal fold halfway between the shoulder crease and the nipple
  - Abdomen: a vertical fold about one inch to the right of the umbilicus
  - Triceps: a vertical fold on the back of the upper arm, halfway between the shoulder and the elbow
  - Thigh: a vertical fold on the front of the thigh, midway between the knee and the hip
  - Suprailium: a diagonal fold above the crest of the ilium (on the side of the hip)

*REFERENCES:* 2.7 Body Composition

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.7 - Be able to assess body composition.

*OTHER:* Bloom's: Remember

47. Describe how the Bent-Leg Curl-Up is performed.

*ANSWER:* For the Bent-Leg Curl-Up, lie down on the floor, face up, and bend both legs at the knees at approximately 100 degrees. Your feet should be on the floor, and you must hold them in place yourself throughout the test. Cross your arms in front of your chest, each hand on the opposite shoulder. Now raise your head off the floor, placing your chin against your chest. This is the starting and finishing position for each curl-up. The back of the head may not come in contact with the floor, the hands cannot be removed from the shoulders, and neither the feet nor the hips can be raised off the floor at any time during the test. The test is terminated if any of these four conditions occur. When you curl up, your upper body must come to an upright position before going back down. The repetitions are performed to a two-step cadence (up-down) regulated with the metronome set at 40 beats per minute. Count as many repetitions as you are able to perform following the proper cadence. The test is terminated if you fail to maintain the appropriate cadence or if you accomplish 100 repetitions.

*REFERENCES:* 2.5 Muscular Fitness

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.4 - Learn to assess muscular strength.

*OTHER:* Bloom's: Remember

48. Summarize the benefits of participating in a regular flexibility program.

- ANSWER:*
- It helps to maintain good joint mobility.
  - It increases resistance to muscle injury and soreness.
  - It prevents low back and other spinal column problems.
  - It improves and maintains good postural alignment.
  - It enhances proper and graceful body movement.
  - It improves personal appearance and self-image.
  - It facilitates the development of motor skills throughout life.

Flexibility exercises also have been prescribed successfully to treat dysmenorrhea, general neuromuscular tension (stress), and knots (trigger points) in muscles and fascia. Regular stretching helps decrease the aches and pains caused by psychological stress and contributes to a decrease in anxiety, blood pressure, and breathing rate.

*REFERENCES:* 2.6 Muscular Flexibility

*LEARNING OBJECTIVES:* FITW.HOEG.17.2.5 - Be able to assess muscular flexibility.

*OTHER:* Bloom's: Remember