Name: _________________________________

Reading Quiz #1, Chapter 1, S15

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. Which of these is not a function of bones?
   a. support of the body
   b. to store minerals for the body
   c. protection of the body
   d. to act as a lever when moving the body
   e. all of these are functions of bones

2. Friction is a force that _______________ of motion of two objects as they slide or attempt to slide across each other.
   a. is in the same direction
   b. is perpendicular to the direction
   c. opposes the direction

3. Newton’s second law is called the law of _____________.
   a. reaction
   b. force
   c. acceleration
   d. inertia

4. Muscles are connected to the bones at, at least, two points. The point attached to the bone that moves is called what?
   a. axis of rotation
   b. torque point
   c. insertion point
   d. origin

5. The deltoid muscle must exert a very large force to lift the arm. Which of these is the best explanation for this?
   a. the arm is very heavy
   b. the deltoid is a very small muscle
   c. the torque of the deltoid is very small
   d. the lever arm for the muscle force is quite small

6. Torques are relevant in which of these types of motion:
   a. forced motion
   b. rotational motion
   c. translational motion
   d. oscillatory motion

7. The force in your bicep muscle attached at your shoulder and forearm is called a ____________ force.
   a. frictional
   b. weight
   c. tension
   d. normal

8. Which of these is not a type of muscle?
   a. smooth
   b. skeletal
   c. cardiac
   d. digestive

9. Which of these is not a force given in chapter 1?
   a. normal
   b. friction
   c. weight
   d. tension
   e. driving

10. To balance properly when carrying a heavy box in front of you, you must _______________.
    a. lean backwards
    b. lean forwards
    c. use your leg muscles
    d. turn your head back & forth
Reading Quiz #1, Chapter 1, S15
Answer Section

MULTIPLE CHOICE

1. ANS: E  PTS: 1
2. ANS: C  PTS: 1
3. ANS: C  PTS: 1
4. ANS: C  PTS: 1
5. ANS: D  PTS: 1
6. ANS: B  PTS: 1
7. ANS: C  PTS: 1
8. ANS: D  PTS: 1
9. ANS: E  PTS: 1
10. ANS: A  PTS: 1