5th Grade Human Body

Read and answer each question carefully.

1) The function of the skeleton is to

   A) carry electrical impulses from the brain.
   B) carry nutrients to the muscles.
   C) move food through the digestive system.
   D) provide support, protection and movement.

2) The ____________ of a bone is the best clue to its function.

   A) color
   B) weight
   C) length
   D) shape

3) Protection is the main function of which of the following?

   A) the femur
   B) the stirrup
   C) the ribs
   D) the phalanges
4) In her owl pellet, Marie found this bone. It is most likely a

A) vertebra.
B) femur.
C) skull.
D) rib.

5) What will a hinge joint allow you to do?

A) Bend over and touch your toes.
B) Turn a door knob.
C) Move your head from side to side.
D) Bend your knees to sit down.

6) Edna wondered if boys will respond faster than girls in the falling cup investigation. Which is the best procedure for Edna to use?

A) Ask 5 girls and 5 boys what they predict the results will be.
B) Have 5 girls and 5 boys each do the experiment 1 time.
C) Have 1 girl and 9 boys repeat the experiment 10 times.
D) Have 5 girls and 5 boys each repeat the experiment 10 times.

7) A joint

A) helps nerves connect to the spinal cord.
B) protects your organs.
C) connects muscles with muscles.
D) connects bones with other bones.
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8) What is **not** important about the opposable thumb?

   A) It helps to hold objects firmly.
   B) It helps to move bones.
   C) It helps to grip objects.
   D) It helps to do tasks easily.

9) ________ are used to transport messages to and from the brain.

   A) Muscles  B) Nerves  C) Veins  D) Bones

10) A ligament is part of the ________ system.

    A) circulatory  B) skeletal  C) nervous  D) muscular

11) Which one of these is not considered a system?

    A) muscular  B) tendon  C) circulatory  D) nervous
12) The teacher asked his students to observe each other jumping rope. He asked them to record the parts of the body that are used to jump rope. Which of the following is the best observation for a student's science notebook?

A) Mario had a big smile on his face because he jumped the longest.
B) Jimmy didn't like jumping rope.
C) Sarah moved her head and was breathing heavily while jumping.
D) Judy used her arms, legs, and hands to jump rope.

13) What usually happens when skeletal muscles contract?

A) The heart pumps blood.
B) Bones move.
C) Nothing happens.
D) Joints open.

14) What types of joints do you use when you kick a ball?

A) ball-and-socket and pivot joints
B) gliding and ball-and-socket joints
C) ball-and-socket and hinge joints
D) pivot and gliding joints

15) An example of smooth muscle is

A) heart muscle.
B) arm muscle.
C) digestive muscle.
D) leg muscle.
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16) When recording scientific observations in your notebook, you should
   A) write your opinions about the investigation.
   B) write about things you have learned from the Internet.
   C) write things you directly notice by using your senses.
   D) write the fewest words possible.

17) Skeletal muscles help us do all of the following EXCEPT
   A) chew our food.
   B) throw a ball.
   C) walk the dog.
   D) pump our blood.

18) Cardiac muscles are responsible for
   A) protecting the body.
   B) pumping blood.
   C) moving bones.
   D) digesting food.

19) The body system that handles communication in the body is
   A) the respiratory system.
   B) the muscular system.
   C) the nervous system.
   D) the circulatory system.
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Ashley recorded her responses for an investigation on coordination. Use the following data to answer questions 20-22.

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20) Which variable did Ashley change during this investigation?

A) The object that was dropped.
B) The hand she used.
C) Whether or not she could see the stimulus.
D) The height of the drop.

21) What conclusion can be reached from Ashley’s data?

A) Ashley has better responses when using her right hand.
B) Ashley has very quick responses.
C) Ashley shows no difference between using her right or left hand.
D) Ashley has better responses when using her left hand.

22) Ashley wanted to change this investigation about coordination. Which of the following would be the **BEST** inquiry question for investigating coordination?

A) What is coordination?
B) How does practice affect the coordination of my left hand?
C) How many times can my left hand catch the object?
D) Why is my right hand more coordinated?
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23) Voluntary responses are

A) automatic actions.
B) reactions which you can control.
C) protective reflexes.
D) reactions which you cannot control.

24) Which does NOT cause an involuntary response?

A) touching a hot stove
B) sneezing
C) a loud sound close behind you
D) a cold rainy day