Science Test 24 – Chapter 24 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ % of reading done: \_\_\_\_\_\_\_\_\_\_\_\_\_

Matching: Match each term with the correct definition

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| --- | --- |
| 1. \_\_\_\_ blister
 | 1. A water-filled swelling of the epidermis of the skin.
 |
| 1. \_\_\_\_ cardiac muscle
 | 1. A tissue that serves as a protective covering layer in plants and animals. The outer layer of skin.
 |
| 1. \_\_\_\_ bone marrow
 | 1. Muscle tissue that lacks striations; forms the walls of many internal organs
 |
| 1. \_\_\_\_ callus
 | 1. The strong supporting structure of vertebrates
 |
| 1. \_\_\_\_ dermis
 | 1. Muscle controlled automatically by the brain; controlled without us thinking about it
 |
| 1. \_\_\_\_ bone
 | 1. Muscle tissue that displays a pattern of light and dark bands
 |
| 1. \_\_\_\_ cartilage
 | 1. A soft tissue that produces blood cells; located in the marrow cavity of long bones and in the spaces of spongy bone
 |
| 1. \_\_\_\_ skeletal muscle
 | 1. The place where two or more bones meet
 |
| 1. \_\_\_\_ melanin
 | 1. The layer of fat and connective tissues below the dermis of the skin
 |
| 1. \_\_\_\_ joint
 | 1. An area of skin with a thickened epidermis
 |
| 1. \_\_\_\_ osteon
 | 1. A band of connective tissue that holds the bones of a joint in place; connects bone to bone
 |
| 1. \_\_\_\_ ligament
 | 1. The connective tissue that attaches muscle to bone
 |
| 1. \_\_\_\_ involuntary muscle
 | 1. A kind of striated, involuntary muscle that is found in the heart
 |
| 1. \_\_\_\_ epidermis
 | 1. A dark brown or black pigment in the skin
 |
| 1. \_\_\_\_ striated muscle
 | 1. A muscle that can be controlled at will
 |
| 1. \_\_\_\_ tendon
 | 1. A flexible supporting tissue that makes up part or all of some animals’ skeletons
 |
| 1. \_\_\_\_ voluntary muscle
 | 1. A microscopic unit of a bone consisting of a blood vessel and layers of hard, nonliving material around it
 |
| 1. \_\_\_\_ smooth muscle
 | 1. A process that requires oxygen
 |
| 1. \_\_\_\_ subcutaneous layer
 | 1. The thick, inner layer of the skin that lies between the epidermis and the subcutaneous layer
 |
| 1. \_\_\_\_aerobic cellular respiration
 | 1. Muscle tissue that attaches to and moves the skeleton
 |

True or False: Determine whether each statement is true or false.

1. \_\_\_\_ Our heart is an involuntary muscle.
2. \_\_\_\_ A “crush fracture” of a bone is when the bone is smashed.
3. \_\_\_\_ A third degree burn destroys both the epidermis and the dermis.
4. \_\_\_\_ Our skin allows many “outside” things into our bodies but does not allow blood out of our bodies.
5. \_\_\_\_ It is our nerves in our skin that respond to cold, heat, touch, and pressure.
6. \_\_\_\_ We often get blisters when we do too much sitting around.
7. \_\_\_\_ Our skull is an example of a fused joint.
8. \_\_\_\_ Muscles always work by pulling, never by pushing.
9. \_\_\_\_ Our skeleton gives our body structure and form.
10. \_\_\_\_ Our muscles allow us to move.

Multiple Choice: Choose the best answer for each question.

1. \_\_\_\_\_ Which bone provides protection to our brain?
	1. Ribs
	2. Pelvis
	3. Skull
	4. Clavicle
2. \_\_\_\_\_ How many bones do we have in our bodies?
	1. 304
	2. 196
	3. 216
	4. 206
3. \_\_\_\_\_ Our shoulder is an example of a \_\_\_\_\_\_\_\_\_\_\_\_ joint?
	1. Hinge
	2. Pivot
	3. Ball-and-socket
	4. Gliding
4. \_\_\_\_\_ Our backbone is an example of a \_\_\_\_\_\_\_\_\_\_\_\_ joint?
	1. Hinge
	2. Pivot
	3. Ball-and-socket
	4. Gliding
5. \_\_\_\_\_ Which bone provides protection to our spinal cord?
	1. Vertebrae
	2. Pelvis
	3. Ribs
	4. Sternum
6. \_\_\_\_\_ The ridges on the bulb of our finger that we use for fingerprinting are called \_\_\_\_?
	1. Papillae
	2. Blister
	3. Callus
	4. Sunburn
7. \_\_\_\_\_ Our skin is what percent of our body weight?
	1. 8%
	2. 20%
	3. 6%
	4. 13%
8. \_\_\_\_\_ A sunburn is what kind of a burn?
	1. First degree
	2. Second degree
	3. Third degree
	4. It is not a burn

Short Answer: Answer in question with complete sentences.

1. What two minerals are especially important in giving bones their strength?

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1. Explain why our skin is considered to be a major defense against disease.

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1. Explain how our skin is able to help keep us cool.

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1. List the four functions of the skeletal system.

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Extra Credit:

1. Which muscle is the longest in our body? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. We have approximately \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ muscles in our body.