

Name \_\_\_\_\_

**Body Atlas: Muscle and Bone**

Approximately 24 minutes

1. The muscles are driven by sugar dissolved in the \_\_\_\_\_ stream.
2. He can breathe nearly \_\_\_\_\_ gallons of air in one breath.
3. The energy he will use is stored in his tissues as a form of \_\_\_\_\_ called glycogen.
4. Only \_\_\_\_\_ of the chemical energy in his muscles' fuel is turned into useful power.
5. The skull plates will not fully connect for \_\_\_\_\_ months, allowing the baby's brain to grow to full size.
6. Infants are born with \_\_\_\_\_ bones.
7. Bones can withstand \_\_\_\_\_ times the weight resisted by reinforced concrete.
8. Our skeleton weighs about \_\_\_\_\_ pounds.
9. Our skeletons are replaced every \_\_\_\_\_ years.
10. Synovial \_\_\_\_\_ helps lubricate the joints.
11. \_\_\_\_\_ pairs of nerves fan out from the spinal cord.
12. The coccyx is the revolutionary remnant of a \_\_\_\_\_.
13. The skull is designed like a helmet to protect the \_\_\_\_\_.
14. \_\_\_\_\_ makes the muscles grow.
15. The human body contains \_\_\_\_\_ different muscles.
16. Muscle is made largely of \_\_\_\_\_.
17. All muscles receive instructions from the \_\_\_\_\_ system.
18. \_\_\_\_\_ anchor muscle to bone.
19. \_\_\_\_\_ provides a constant flow of oxygen into the muscle.
20. \_\_\_\_\_ acid builds up in muscles causing pain & fatigue.