

- a. Being able to ride a bike
25. Skeletal muscle action potentials penetrate deep into the fiber *via*
- a. T tubules
26. At the level of the sarcomere, a fully contracted muscle differs from a relaxed muscle in that
- a. the distance between the Z discs is Shortened
27. A major reason for the phenomenon of *rigor mortis* is that
- a. without ATP, the myosin head cannot detach from the actin
28. Smooth muscles are NOT striated because
- a. myofilaments are not organized into sarcomeres
29. The ability of skeletal muscles to produce smooth movements is based on
- a. temporal summation of twitch contractions
30. Which of the following contributes most to our ability to produce a wide range of forces
- a. The number of activated motor neurons (and therefore motor units) can change
31. Which of the following processes does NOT use up a significant amount of ATP during or following muscle contraction
- a. Glycolysis in the cytosol
32. Which of the following is found in fast fatigable muscle fibers (active during short powerful movements)
- a. Predominant use of the anaerobic pathway to produce ATP