

Name: _____

Date: _____

Warm-Up: Muscle Tissue Overview B (p. 181-185)

True/False: *Indicate whether the statement is true or false.*

- ___ 1. Cardiac and smooth muscle both have striations.
- ___ 2. All types of muscle have endomysium covering individual muscle cells.
- ___ 3. Smooth muscles activity generates heat to help maintain body temperature.
- ___ 4. An aponeurosis is a ropelike piece of muscle fascia that forms indirect connections to muscles of the leg.

Matching

Match the following:

- Ⓐ smooth
- Ⓑ skeletal
- Ⓒ cardiac

- ___ 5. Voluntary muscle tissue
- ___ 6. Muscle tissue found only in the heart
- ___ 7. Muscle tissue that forms valves to regulate the passage of substances through internal body openings
- ___ 8. Muscle tissue that is multinucleate
- ___ 9. Muscle tissue composed of branching cells and intercalated discs
- ___ 10. Muscle tissue that activates arrector pili muscles which stand hairs on end
- ___ 11. Performs very slow, sometimes rhythmic, contractions
- ___ 12. Muscle tissue that maintains posture, body position, and stabilizes joints

Essay

- 13. Compare skeletal, smooth, and cardiac muscles as to their (a) body location, (b) microscopic anatomy, (c) regulation of contraction, (d) speed of contraction, and (e) rhythmicity. *You may create a table if you wish.*