Chapter 35 Pre-Class Quiz

History for 'Chapter 35 Pre-Class Assignment'

Item: Chapter 35 Pre-Class Assignment

Score: 100% (Calculated)

Due: Thursday, October 09, 2014 8:00 AM

Submitted: Wednesday, October 08, 2014 12:25 PM

Answers:

1. Before the evolution of complex nervous systems, animals with very simple nervous systems could engage in the following behaviors, except:

- finding a mate.
- obtaining food.
- choosing a suitable habitat.
- regulating internal body functions.
- sensing chemical cues in the environment.

Score: 1 of 1

2. True or false: Ganglia are nerve cell bodies that provide local processing of sensory information and result in motor output or another physiological effect.

- true
- false

Score: 1 of 1

3. Why are sensory organs, such as eyes, located on the surface of the body?

- Their location is adaptive; it allows sensory organs to receive input from the environment.
- Their location is adaptive; it allows sensory organs to receive input from the central nervous system.
- Their location is an artifact of development; these structures are derived from mesoderm.
- Their location is an artifact of development; these structures are derived from endoderm.
- None of the answer options is correct; there is a better explanation that is not listed.

Score: 1 of 1

4. True or false: Cephalization is thought to be an adaptation for forward locomotion.

- (•) true
- ( ) false

Score: 1 of 1

5. True or false: All animals show cephalization.

- (•) true
- ( ) false

Score: 1 of 1

6. Neurons tend to differ in their: (select all correct choices)

- [x] function.
- [x] size and shape.
- [x] number of extensions.

Score: 1 of 1

7. "The ability to maintain a steady physiological state in the face of a changing environment" is the definition of:

- ( ) parasympathetic division.
- (•) homeostasis.
- ( ) knee-jerk reflex.
- ( ) reciprocal inhibition.
- ( ) somatic response.

Score: 1 of 1

8. True or false: It is necessary to have a nervous system to sense and respond to the environment.

- ( ) true
- (•) false

Score: 1 of 1

9. How many different types of neurotransmitters can be released by a particular nerve cell?

- (•) one
- ( ) two
- ( ) three
- ( ) It depends on the type of nerve cell.
- ( ) There is no limit.

Score: 1 of 1

10. True or false: All animals sense and respond to the environment.

- (•) true
- ( ) false

Score: 1 of 1

11. Afferent and efferent neurons differ in: (select all correct choices)

- [ ] their size.
- [ ] their pattern of myelation.
- [x] the directionality of the information they send.

Score: 1 of 1

12. True or false: All animals have a nervous system.

- ( ) true
- (•) false

Score: 1 of 1

13. True or false: Brains are required for movement.

- ( ) true
- (•) false

Score: 1 of 1

Close

Score: 100%