

Chapter 41 Pre-Class Quiz
History for 'Chapter 41 Pre-Class Assignment'

Item: Chapter 41 Pre-Class Assignment

Score: 100% (Calculated)

Due: Wednesday, November 19, 2014 7:59 AM

Submitted: Tuesday, November 18, 2014 9:32 AM

Answers: 1. Which of the following structures are not associated with ion regulation in animals?

- nasal salt glands
- malphigian tubules
- tear duct
- kidney

Score: 1 of 1

2. You discover a new type of marine organism that has the kidneys of a fish but no gills. Based on what you know about other aquatic organisms the newly discovered organism is _____ compared to the surrounding water.

- hypertonic
- hypotonic
- isotonic

Score: 1 of 1

3. True or false: In most organisms, the excretion of wastes is closely tied to the maintenance of water and electrolyte balance.

- true
- false

Score: 1 of 1

4. True or false: The specialized salt glands that allow marine birds to drink sea water are found in the nasal cavity; in humans, these glands are found in the esophagus.

- true
- false

Score: 1 of 1

5. Water moves: (select all correct choices)

- from regions of high water concentration to regions of low water concentration.
- from regions of low water concentration to regions of high water concentration.
- from regions of high solute concentration to regions of low solute concentration.
- from regions of low solute concentration to regions of high solute concentration.
- from regions of low water concentration to regions of low solute concentration.

Score: 1 of 1

6. True or false: In addition to eliminating toxic compounds, the three-step waste elimination process also allows multicellular organisms to regulate the amount of water and solutes in their bodies.
- true
 - false

Score: 1 of 1

7. Osmotic pressure is a function of the difference in the concentration of _____ on the two sides of the membrane.
- solvents
 - solutes
 - osmosises
 - hypotonics
 - hypterionics

Score: 1 of 1

8. Animals that match their internal osmotic pressures to those of their external environments are called _____.
- endotherms
 - ectotherms
 - osmorgulators
 - osmoconformers

Score: 1 of 1

9. In the vertebrate kidney, reabsorption and secretion take place in the renal tubules; after that, the filtrate enters the collecting ducts as _____.

- urine
- renin
- angiotensin
- interstitial fluid

Score: 1 of 1

10. In vertebrates, waste elimination and the regulation of water and electrolyte balance are managed by a _____ system with paired organs called kidneys.

- osmoregulatory
- circulatory
- renal
- endocrine
- respiratory

Score: 1 of 1

Close