

Study guide for chapter 10

From page: (263)

Exchange with external environment:

- Every living cell of an animal body must bath in watery solution. Why?
- How multilayered animals exchange materials with the environment?

Regulating the internal environment:

- What is the role of interstitial fluids in the animal body?
- What is homeostasis? Negative feedback? Positive feedback with example?

Thermoregulation

- What is thermoregulation?
- What is the difference between endotherms and ectotherms?
- What are the mechanisms that your body aid for thermoregulation (when temperature fall below normal, get too high or get fever)?

Osmoregulation:

- What is osmoregulation?
- What are the osmoregulation mechanisms in saltwater fish, freshwater fish and land animals?

Homeostasis in the urinary system:

- What are the main functions of the human urinary system?
- What is the anatomy of the urinary system?
- What does the filtrate contain?
- Describe the functional unit of the urinary system?
- What are the main functions of the nephron?
- Give examples on how urine samples can be used to assess health.