

CHAPTER 44 AP BIO TEST PREPARATION, CAMPBELL BIOLOGY: CHAPTER 42 TEST PREPARATION QUESTIONS AND ANSWERS

Unlike most bony fishes, sharks maintain body fluids that are isoosmotic to seawater, so they are considered by many to be osmoconformers. Nonetheless, these sharks osmoregulate at least partially by

- A) using their gills and kidneys to rid themselves of sea salts.
- B) monitoring dehydration at the cellular level with special gated aquaporins.
- C) tolerating high urea concentrations that balance internal salt concentrations to seawater osmolarity.
- D) synthesizing trimethylamine oxide, a chemical that binds and precipitates salts inside cells.
- E) possessing a special adaptation that allows their cells to operate at an extraordinarily high salt concentration. - Answer-C) tolerating high urea concentrations that balance internal salt concentrations to seawater osmolarity.

The necropsy (postmortem analysis) of a freshwater fish that died after being placed accidentally in saltwater would likely show that

- A) loss of water by osmosis from cells in vital organs resulted in cell death and organ failure.
- B) high amounts of salt had diffused into the fish's cells, causing them to swell and lyse.
- C) the kidneys were not able to keep up with the water removal necessary in this hyperosmotic environment, creating an irrevocable loss of homeostasis.
- D) the gills became encrusted with salt, resulting in inadequate gas exchange and a resulting asphyxiation.
- E) brain cells lysed as a result of increased osmotic pressure in this hyperosmotic environment, leading to death by loss of autonomic function. - Answer-A) loss of water by osmosis from cells in vital organs resulted in cell death and organ failure.

Urea is produced in the

- A) liver from NH_3 and CO_2 .
- B) liver from glycogen.
- C) kidneys from glucose.
- D) kidneys from glycerol and fatty acids.
- E) bladder from uric acid and H_2O . - Answer-A) liver from NH_3 and CO_2 .

Urea is

- A) insoluble in water.
- B) more toxic to human cells than ammonia.

Ap Biology Campbell Chapter 5reading Guide Answers

Zhe Xu



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Wildlife of the Australian Snow-country Ken Green,William S. Osborne,1994 This lavishly illustrated guide designed for both amateur naturalists and specialists describes the mammals birds reptiles frogs fish insects and other invertebrates found in those regions of Australia with regular extended winter snow cover Discusses the distribution breeding food and behaviour of these animals and also gives a general description of the geology climate and ecological features of the snow country environment and the evolution of the snow country fauna Includes references a glossary and an index **General Catalogue of Printed Books to 1955** British Museum. Dept. of Printed Books,1967

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of characteristic of or resembling a serpent as in form or movement having a winding course as a road sinuous shrewd wily or cunning noun a device on a harquebus lock for holding the

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serpentinite is a rock composed predominantly of one or more serpentine group minerals the name originating from the similarity of the texture of the rock to that of the skin of a snake serpentinite has been called serpentine or serpentine rock particularly in older geological texts and in wider cultural settings

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serpentine any of a group of hydrous magnesium rich silicate minerals the composition of these common rock forming minerals approximates $\text{Mg}_3\text{Si}_2\text{O}_5(\text{OH})_4$ serpentine generally occurs in three polymorphs chrysotile a fibrous variety used as asbestos antigorite a variety occurring in either

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goreng yang sudah digunakan untuk menggoreng berkali kali 1 s d 3 kali penggorengan lalu ditambah 30 ml campuran larutan dari 20 ml asam asetat glasial 25 ml methanol 95 dan 55 ml kloroform

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