SAMPLE QUESTIONS

1. Marine amphibians __________.
   A. do not exist at all
   B. are gill-breathers
   C. are fish-like
   D. include only tropical species
   E. are oviparous

2. Which of the following is NOT observed in marine reptiles?
   A. Migrations
   B. Internal fertilization
   C. External fertilization
   D. Arribadas
   E. Multiple paternity

3. Sea snakes feed mostly upon __________.
   A. large fishes
   B. seaweeds and other marine autotrophs
   C. polyps of live coral
   D. worms and other small, bottom invertebrates
   E. small fishes

4. Seals, sea lions, and the walrus are classified as belonging to the Order __________.
   A. Carnivora
   B. Sirenia
   C. Pinnipedia
   D. Cetacea
   E. Protochordata

5. The walrus feeds mostly upon __________.
   A. clams
   B. squid
   C. salmon and other fish
   D. kelp and other large seaweeds
   E. dead animals

6. Which of these whales is a toothed whale?
   A. Sperm whale
   B. Right whale
   C. Gray whale
   D. Fin whale
   E. Blue whale

7. Blubber is found in all of these marine mammals except __________.
   A. killer whales
   B. seals
   C. sea otters
D. sea lions
E. manatees (sea cows)

8. The gray whale feeds mostly upon __________.
A. small plankton
B. small fishes
C. squid
D. largest plankton
E. bottom crustaceans

9. Baleen whales lack __________.
A. flukes
B. teeth
C. dorsal fin
D. a blowhole
E. ear openings

10. Ambergris, used in the manufacture of perfumes, comes from what part of whales?
A. Sperm oil
B. Baleen
C. Skin
D. Melon
E. Undigested food

11. Which one of the following is NOT an adaptation for deep diving in cetaceans?
A. Having more red blood cells to store more oxygen
B. Having more hemoglobin to store more oxygen
C. Slowing down of heart rate
D. Lower tolerance to lactic acid
E. Having a lot of myoglobin in muscles to store more oxygen

12. Echolocation is a sense that relies on __________.
A. vibrations
B. sound
C. smell
D. vision
E. electromagnetic waves

13. The spermaceti organ in the head of sperm whales is thought to regulate buoyancy AND __________.
A. storage of food
B. production of sound
C. assist in oxygen storage
D. collect undigested food
E. focus and direct sound waves

14. The humpback and other baleen whales migrate every year to __________.
A. feed in Antarctica during winter
B. reproduce in Antarctica during summer
C. reproduce in the tropics during winter
D. feed in the tropics during winter
E. feed in the tropics during summer
15. Delayed implantation of the embryo allows pinnipeds to __________.
A. nurse a pup while pregnant
B. time birth with arrival to a breeding area
C. delay courtship for a year
D. establish harems
E. ovulate after copulation

16. Which one of the following alternatives does NOT apply to the typical cetacean calf?
A. It is born tail first.
B. It establishes a long and strong bond with its mother.
C. It feeds on very rich milk that is squirted directly into its mouth.
D. It is born with developed blubber.
E. It must swim to the surface immediately after birth.

17. Which of the following is NOT true regarding Emperor penguins?
A. Pairs mate for life.
B. The females lay a single egg during winter.
C. They live in the Arctic.
D. The male tends egg during development.
E. Their eggs develop in about 64 days.

18. The smallest marine mammal is a __________.
A. seal
B. fur seal
C. sea lion
D. sea otter
E. dugong

19. An example of convergent evolution is the body shapes of __________.
A. dolphins and whales
B. manatees and dugongs
C. dolphins and fish
D. seals and fur seals
E. dolphins and sea otters