

FT 274 Pre-Test

Thank you for participating! By gauging your knowledge before and after this course, we are able to improve the course for future students.

What is your name? *

Most fish species are found in the open ocean.*

True

False

Saltwater covers what percentage of the earth's surface? *

60%

97%

70%

58%

How many more times dense is water compared to air? *

800

200

5

50

Most fish have a three-chambered heart. *

True

False

Which type of gill ventilation involves opening the mouth with a closed operculum and then by closing the mouth and opening the operculum? *

Buccal pumping

Ram pumping

Ram ventilation

Buccal extraction

Where on the gills does gas exchange occur?*

Gill arch

Lamellae

Gill filament

Operculum

Yellowfin tuna would likely fall under which swimming category? *

Carangiform

Anguiliform

Ostracoform
Tunniform

A surface feeding fish will have which kind of mouth? *

Terminal
Inferior
Superior
Subterminal

A homocercal tail has a larger upper lobe than the lower lobe. *

True
False

What type of scales would a shark have? *

Placoid
Ganoid
Rhomboid
Ctenoid

What is the name of the group often called, the "Bony fish?" *

Osteichthyes
Chondrichthyes
Aganathans
Siphonophores

Elasmobranchs have a cartilage-based skeleton. *

True
False

Sexual dichromatism is a reference to the different body shapes and/or sizes between male and female fish of the same species. *

True
False

For most fish, sexes are NOT separate and can be determined externally. *

True
False

What is the term for the common measure of reproductive potential, often categorized as the number of eggs in female ovaries? *

Carrying-capacity
Dimorphism
Fecundity

Bioenergetics

Fish with densely packed, thin, and long gill rakers are probably eating other fish. *

True

False

A good example of K-selection in fish are sharks *

True

False

Which fish order includes the skates and rays? *

Rajiformes

Elopomorphes

Clupemorphes

Siluriformes

Genotypic genetic variations are characteristics that are expressed like color. *

True

False

Which of the following is NOT in the Order Salmoniformes? *

Dolly Varden

Walleye Pollock

Lake Trout

Pacific Salmon

Symbiosis is when two species in close proximity interact with each other. *

True

False

As you go up the food web, the size and number of species gets larger. *

True

False

In most marine systems, predators and prey are often described by simple food chains. *

True

False

What is the primary reason that fish migrate? *

food resources

temperature gradients

reproduction

physiology

What is the organ found in most Teleosts that secretes enzymes near the stomach that helps in breaking down food? *

- Pyloric caeca
- Esophagus
- Spiracle
- Rectum

Stenohaline makes reference to organisms that can tolerate a wide range of salinities. *

- True
- False

What does the term "rete mirabile" mean? *

- Wonderful net
- Gas exchanger
- Swim bladder
- Buoyancy compensator

The physoclistous swim bladder are connected to the gut via a pneumatic duct. *

- True
- False

Which of the following is NOT a way that fish achieve neutral buoyancy? *

- Low density compounds
- Swim bladders
- Increasing surface area via spines and structures
- Reduction of heavy tissues

What is the term associated with fish keeping their head oriented into the current? *

- Phototaxis
- Chemotaxis
- Rheotaxis
- Klinotaxis

What is the sensory system associated with mechanoreceptors for a distance touch often sensing vibrations in the water? *

- Weberian ossicles
- Otoliths
- Lateral lines
- Ampullae of Lorenzini

Klinotaxis is the side to side movement of the head so sharks find cues in the water. *

- True
- False

The speed of sound in water increases with decreasing temperature. *

- True
- False

Which color in the visible light spectrum is absorbed 1st at sealevel? *

- blue
- green
- yellow
- red

How many times faster can sound carry sounds in seawater? *

- 2 times
- 10 times
- 5 times
- 20 times

How far down can light penetrate into seawater? *

- 50 m
- 100 m
- 200 m
- 1000 m