



# BIOLOGY QUESTIONS



## EASY

**Question Type:** Bonus

**Question Format:** Short Answer

**Category:** Biology

**Question:**

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Which organisms form the base of the food chain at hydrothermal vents due to their ability to convert carbon and nutrients into organic matter in the absence of sunlight?

**Correct Answer:**

Chemosynthetic Bacteria



# BIOLOGY QUESTIONS



## EASY

**Question Type:** Tossup

**Question Format:** Multiple Choice

**Category:** Biology

**Question:**

Northern elephant seals come ashore during the spring and summer to do what?

**Answer W:**

Mate

**Answer X:**

Give birth

**Answer Y:**

Eat

**Answer Z:**

Molt their fur

**Correct Answer:** Z



# BIOLOGY QUESTIONS



## MODERATE

**Question Type:** Bonus

**Question Format:** Short Answer

**Category:** Biology

**Question:**

The habitat of blue whales, tunas and swordfishes is best described as:

**Answer W:**

Benthic

**Answer X:**

Littoral

**Answer Y:**

Estuarine

**Answer Z:**

Pelagic

**Correct Answer:** Z



# BIOLOGY QUESTIONS



## MODERATE

**Question Type:** Bonus

**Question Format:** Multiple Choice

**Category:** Biology

**Question:**

Intensive aquaculture of which of the following organisms has contributed to loss of mangroves around the world?

**Answer W:**

Tilapia

**Answer X:**

Cod

**Answer Y:**

Shrimp

**Answer Z:**

Salmon

**Correct Answer:** Y



# BIOLOGY QUESTIONS



## DIFFICULT

**Question Type:** Tossup

**Question Format:** Multiple Choice

**Category:** Biology

**Question:**

Lophelia (LO-fee-lee-ua) coral reefs in the North Atlantic are being primarily damaged by:

**Answer W:**

Rising temperature

**Answer X:**

Trawling

**Answer Y:**

Cyanide poisoning

**Answer Z:**

Pfiesteria (fi-stear-ee-ah)

**Correct Answer:** X



# BIOLOGY QUESTIONS



## DIFFICULT

**Question Type:** Tossup

**Question Format:** Multiple Choice

**Category:** Biology

**Question:**

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Seals have a variety of adaptations for deep dives. To avoid nitrogen narcosis, which adaptation is most helpful?

**Answer W:**

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ATP production by fermentation rather than respiration

**Answer X:**

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Exhaling at the start of the dive and collapsing the lungs

**Answer Y:**

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Reliance upon stored oxygen in blood and muscles

**Answer Z:**

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Re-routing blood flow to where it is most needed

**Correct Answer:** X