

## ANCIENT WHALE BONES QUESTIONS: ANSWER KEY

Answer the following questions as you watch the Ancient Whale Bones video from National Geographic.

### 1) Where was the oldest whale ancestor discovered?

- A. Appalachian Mountains, USA
- B. [Sulaiman Mountain Range, Pakistan](#)
- C. Wetterstein Mountains, Germany
- D. Mount Kinabalu, Malaysia

### 2) What can we infer about the mountains?

- A. They used to be filled with trees, bushes, and a diversity of land mammals before humans arrived.
- B. They have always been above water collecting dust.
- C. They will not be able to show us evolutionary relationships among organisms.
- D. [They contain evidence of once living organisms from prehistoric creatures that lived in water.](#)

### 3) How long ago did the organism they discovered live?

- A. [46 million years](#)
- B. 4.6 million years
- C. 46 thousand years
- D. 4.6 thousand years

### 4) Name at least two adaptations that the whale had. Why were these adaptations necessary?

Neck became shorter and more powerful for diving, rear legs widened to be more flipper-like, tail developed muscles for swimming

### 5) Now that whales are a dominating predator in the ocean, what would be an evolutionary adaptation that a whale's prey would want to have acquired over time?

Speed

### 6) What is one question you have after watching this video?

Answers will vary.