

THE EVIDENCE OF EVOLUTION

Directions: Watch the youtube video and answer the following questions.

<https://www.youtube.com/watch?v=IIeO5KdPvg>

1. What are the 2 claims that the theory of **evolution** makes?

1. _____

2. _____

2. What **ancestor** do scientists believe all Cetaceans have in common?

3. What is **comparative anatomy**?

4. What **comparative anatomy evidence** do we have that modern Cetaceans share in common with land mammals?

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____
- h. _____

5. What useful evidence does the fossil record provide that connects the Basilosaurid Whale with both ancient land mammals and current whales?

a. _____

b. _____

6. How do we know the Maiacetus lived in the ocean?

a. _____

b. _____

7. What useful evidence does the fossil record provide that connects the Maiacetus Whale with the Basilosaurid Whale and the modern whale?

a. _____

b. _____

8. What are some other examples of organisms that have been proven to have common ancestry?

a. _____ & _____

b. _____ & _____

c. _____ & _____

d. _____ & _____