

Quiz 2 (Coasts & Waters)



Charity no. SC017546, Company no. 106529

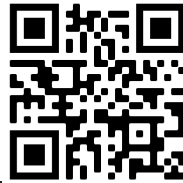
At the Water's Edge

Suitable for ages 8 plus.

Learning and Outreach Role supported by



Art Fund_



At the Water's Edge is Elgin Museum's new exhibition for 2020, explore our exhibition webpages to answer the quiz below! elginmuseum.org.uk/atwe2020

1. How old are the fossils?	
2. What is a tetrapod?	
3. Where were the fossils found?	
4. How long was <i>Elginerpeton</i> ?	
5. What did <i>Elginerpeton</i> eat?	
6. Where would you find the palatal bone?	
7. What does the mandibular bone tell us about the shape of the jaw?	
8. How many individual shoulder girdles have been found?	
9. How do we know that the femur acted as paddle, rather than as a leg?	
10. How many rows of teeth can you see on the palatal bone?	
11. The side of the mandibular fragment that looks dark is the outside of the jaw bone – does this bone come from the animal's left or right jaw?	
12. The femur is labelled as <i>Holoptychius</i> Bone (on Sketchfab), which is a species of fish. Why isn't it labelled as <i>Elginerpeton</i> bone?	

ANSWERS

No PEEKING until you're finished!

1. How old are the fossils?	375 million years old
2. What is a tetrapod?	An animal with four limbs
3. Where were the fossils found?	Near Elgin
4. How long was <i>Elginerpeton</i> ?	Up to 1.5 m
5. What did <i>Elginerpeton</i> eat?	Fish
6. Where would you find the palatal bone?	Upper jaw
7. What does the mandibular bone tell us about the shape of the jaw?	It was long and narrow
8. How many individual shoulder girdles have been found?	Four
9. How do we know that the femur acted as paddle, rather than as a leg?	The bone is twisted
10. How many rows of teeth can you see on the palatal bone?	Two (a row of small teeth and larger, peg-like teeth)
11. The side of the mandibular fragment that looks dark is the outside of the jaw bone – does this bone come from the animal's left or right jaw?	Right – the thicker end of the bone is furthest from the snout so when you rotate the bone (clockwise) to look at it end on, you can see that the outside is to the right
12. The femur is labelled as <i>Holoptychius</i> Bone (on Sketchfab), which is a species of fish. Why isn't it labelled as <i>Elginerpeton</i> bone?	The original label shows this as a fish bone because it was only identified as a tetrapod fossil in the 1990s