

Lab: David Attenborough's Great Barrier Reef Interactive Journey

www.attenboroughsreef.com

Click "EXPLORE". Click play to watch the introduction video. (1:44 min)

Click "CONTINUE". Click "START".

Chapter 1: The Perfect Reef - You will be traveling on the expedition vessel, *The Alucia*. Click "EXPLORE".

1. What is the length of the Great Barrier Reef?
2. How many coral species can be found on the GBR?
3. How many species of fish can be found on the GBR?
4. How many whale and dolphin species can be found on the GBR?

Scroll down. Click play to watch the "The Perfect Coral Reef" video. (4:17 min)

5. How many individual coral reefs make up the Great Barrier Reef?
6. What organism allows the coral polyps to harness the energy of the sun?
7. Describe the corals actions at night.
8. What occurs a few nights a year, after the full moon?

Scroll down to "How Does Coral Grow?" Read under the title.

9. How many species of hard corals are on the Great Barrier Reef?
10. How do corals build their limestone homes?

Click on the "Reef Time" diamond. Drag your mouse from Day 0-Day 15 to watch the time lapse of the staghorn coral.

11. How much did the staghorn coral grow in 15 days?

Click "CONTINUE". Scroll down to "The Mantis Shrimp". Read under the title.

12. What two amazing adaptations do mantis shrimp have that make them unique?

Click "Launch Mantis Vision".

13. Describe how mantis shrimp send coded messages to each other.

Click "START". Then click the < or > in the center of the split video screen to see the coded messages.

Click "CONTINUE". You should now see "A Ministry of Sound". Click on "Have a listen."

14. Explain the "frying" sound heard underwater.
15. How do fish use the sound of the reef?

Click "CONTINUE". You should now see "Finding home- the Clown Fish story".

16. What type of organism does the clown fish form a symbiotic relationship with?
17. Describe the tentacles of the anemone.
18. What allows the clown fish to live in the anemone?
19. How does the clown fish help the anemone?
20. Why does the female clown fish benefit so much from the anemone?
21. How long do clown fish develop within the egg case?
22. When do clown fish hatch? Where do they go afterward?
23. What do the young clown fish use to find their way back home?
24. Clown fish start out their lives as _____.
25. How are clown fish affected by climate change?

Scroll down to "A Global Destination". Click "START YOUR JOURNEY". Read and click the > when ready to move.

26. How far do the Dwarf Minke Whales travel to leave the freezing water of the sub Antarctic?
27. Although unconfirmed, why do we believe the Dwarf Minke Whales go to the Great Barrier Reef?

Click play to watch "Experience A Dive with Dwarf Minke Whales". (1:07 min)

Click on the X in the upper right to close the video link.

28. Where are the green turtles found in winter?
29. Which island is the most popular for the green sea turtles to lay their eggs?

Click play to "Watch a Green Turtle Hatchling's First Trip to the Sea." (0:33 min)

Click on the X in the upper right to close the video link.

30. Outline the migration of the shearwaters including distance, location traveled to and purpose.

Click play to watch "A Wedge-tailed Shearwater Chicks Clumsy Fly". (1:13 min)

Click on the X in the upper right to close the video link.