

FRAGMENTS OF HOPE: PROTECTING THE BELIZE CORAL REEFS ACTIVITY SHEET

This quiz has been designed to help you learn about the UNESCO World Heritage Site Belize Coral Reef System, and the impact of climate change on its survival.

Watch the introductory [video](#), and then have a go at the activities and questions below by exploring the resources available to you:

- Fragments of Hope: Protecting the Belize Coral Reefs [interactive map](#)
- Short animated films and downloadable resources available on the Fragments of Hope [website](#)

ACTIVITIES

1. Visit the Fragments of Hope website and have a look at the short animated films about Ocean Acidification and Coral Bleaching
2. Now using the map, visit Placencia (using the search box top left, look for **Placencia**) and find the link to a film about Mariko (Wallen) – she will introduce you to the work of Fragments of Hope
3. Spend 20 minutes or so investigating the other dots on the map and watch the short films you find there to discover more about the Belize Coral Reef System
4. Now have a go at answering the following questions about what you have just seen:
 - A. Name some of the fish and other marine creatures you would expect to discover in the reef area?
 - B. Choose one of these animals and write 100 words describing how it moves in the water
 - C. Name the 2 main types of coral found on the reef – hint Mariko mentioned them
 - D. What are the three main ways that climate change and warming sea temperatures affect the survival of coral reef environments?
 - E. On 8th September, Hurricane Nana hit the Belize coast with sustained winds of up to 75 miles per hour. Re-visit the map pin for Carrie Bow Caye (using the search box, look for **Carrie Bow Caye**). What happened to the coral as a result?
 - F. Re-visit the Tobacco Caye film (using the search box, look for **Tobacco Caye**), and describe how the divers grow coral in the metal cage nurseries and then plant them out onto the sea-bed
 - G. What items of equipment does Fragments of Hope use to protect the coral reef?
 - H. Visit Barranco village on the map (using the search box, look for **Barranco**) and find out about how the villagers are being impacted by climate change. Describe what they are doing to combat this?



1. If you are interested in discovering more about the work of Fragments of Hope, have a proper look at their website.

Students will need access to good strength broadband, and an up-to-date version of a common desktop browser, ideally Chrome or Firefox. The resource does support most common current iOS and Android mobile devices, although the controls will be different.

Through this website you are able to link to other websites which are not under the control of The Earth Museum. We have no control over the nature, content and availability of those sites.