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The oceans have multiple types of environments, each with their own unique characteristics. However, as we are in Iowa, we do not have the means to explore these areas. Therefore, you will be using Google Earth to tour each of the locations below! During your Google Earth tour, I want you and your group to explore the marine environments of these areas and document what you find. If you get done with the assigned tasks, then continue your exploration, there are many places to visit

By the end of the lecture, I want you to hand in the worksheet, I will look at them to see how well the activity went. I have a many slides to get through, so if people wrap up to early, then I will start lecturing

**Hawaii**

Locate the Black corals ARKive marker and describe information about it and any potential threats.

Find 6 additional points of interest to investigate, describing interesting facts about them as you go.

**Monterey Bay**

What the ‘Visual tour of Monterey Bay NMS’ and describe how the conditions of the ocean water and the coastline type influence the species found in the protected area

After you have watched the video, find at least five interesting features or creatures and describe then as you did for Hawaii. Please find and document at least one ARKive species in your list of five.

Up next, find the **Sedlo Seamount** and the **Dom Joao de Castro Seamount**. To do this, you will need to find the Dom Joao de Castro Reef, and go a little way North. What process led to the formation of the seamounts? Are the features and species indicated around the seamounts different than Hawaii and Monterey Bay?

Explore away, and provide descriptions/information for three sites around these seamounts.

**Cape Cod**

What type of beach is the Cape Cod area? How is it different from Monterey Bay?

In the Cape Cod area, what large species are frequently seen?

Next up on your virtual Google Earth tour, you are going to the **Caribbean Islands**!! What processes led to the development of these magnificent set of islands?

After answering that question, explore the area and find five places that you would like to describe.

Next up is the **Great Barrier Reef**! Located off the coast of Australia and is visible from space. In the Great Barrier Reef region, find five sites to investigate and describe a few interesting details about each site.

Finally, the last place in your Google Earth tour of the ocean to visit is the **atolls** around the **Marshall Islands**. Identify the processes that led to the formation of these atolls. The locate a few interesting locations and describe a feature of each location.

For additional fun, locate the Bikini Islands. Why are these islands of importance?