Marianas Trench
How was the trench formed?

Subduction zone

Marina Plate

How deep is the trench?

180 million years old!
History of the Discovery of the
Marianas Trench

Challenger Deep

1872

Sonar

1951

HMM... WHAT IS THAT CRESENT SHAPED THING ON THE SEA FLOOR?

THAT'S THE MARIANAS'S TRENCH!
Connect the dots for the

Key
- Volcano
  1 Island
  ● Boundary

Dots 1-23 outline the U.S. EEZ
Dots 23-38 and 45-52 outline the Trench Unit
Dots 38-45 outline the Island Unit
The Volcano Unit includes every (-) symbol
Color each Unit to get the full map!

Marianas Trench
Marine National Monument!
The Marianas Trench is the **deepest** trench on the planet. It is home to some incredibly unique environments, such as a underwater pool of **liquid sulfur** instead of water, and the only recorded place with **photosynthetic** (getting their energy from the sun) and **chemosynthetic** (getting their energy for chemicals) communities that live together. The trench and nearby underwater **volcanos** give scientists the opportunity to study these **extreme** environments and the things that live in them. The trench and areas nearby are home to **whales, dolphins**, lots of **fish, corals**, and **sea turtles**, just to name a few.
Color some of the fish found in the Marianas Trench.

Red Snapper
Depth: Varies

Fangtooth Fish

Ghost Fish
Depth: seen at 26715 ft deep (around 5 miles deep)
A groppo found at Eifuku Seamount in the Marinas Trench

A slit snail (maybe a new species!) found on Pagan
Dumbo Octopus
Depth: 900 - 1600 ft

Glowing Sucker Octopus
Depth: up to 8200 ft

Shrimp

Color some of the invertebrates found in the Marianas Trench
Traditional Chamorro fishing hooks

Match the hooks!
Help the fish find its way home!
U.S. Fish and Wildlife Service

Marianas Trench Marine National Monument

Directorate Assistance Resource Fellow Program

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2018