

Biodiversity in the Ocean

Introduction

1. Make a list of 5-10 of your favorite marine organisms that you know and can recall (be specific, don't just say "shark" or "whale").
2. Make a list of 5-10 of the most unusual marine organisms that you know and can recall.

* Try to list off some without using technology first. You may use your phone to help complete your list to 10 organisms. Organisms do not have to be animals.



Biodiversity in the Ocean

Guided & Independent Practice

Guided Practice:

1. Look over the lists you made during the warm-up. Pick out two from each list that most interests you.
2. What are some variations in these organisms that make them different from other organisms? Consider size, color, shape, etc.

Independent Practice:

Select one of the species you identified in the GP. Design a Power Point using the information provided on the following slides.



Species Name

(Scientific Name)

Classification: What is the classification of the species that you selected? What kingdom, phylum, class, order, family, and genus are they apart of?

Physical Description: How does your animal look? What are it's physical features? Is it a vertebrate or invertebrate? What is the approximate size of the offspring at birth (length, height, weight, etc)? How big does the organism typically get? Are male/females the same relative size or is one typically larger?

Range and Habitat: What type of habitat does your species live in? Do they migrate? What area(s) of the world is the species found in? Are they found in the shallow ocean/deep sea/tidal zone/etc.?



Species Name

(Scientific Name)

Diet: How does your species acquire energy? Is it an autotroph/heterotroph/decomposer? What are the feeding habits of your species?

Reproduction: How do they reproduce (sexual/asexual)? Are they internal or external (egg layer)? How often do they reproduce? How many offspring do they have? What's the survivability rate of its offspring? What is the organisms gestation period?

Threats: What is the species threat to survival (human activity, invasive species, other organisms, etc)? Is the species endangered? What is the species threat level?

Other interesting facts: What are some other interesting facts about your organism that makes it stand out from other organisms?

