Diving Deeper into SDG #14 Targets

SDG #14, Life Below Water, encompasses a total of 10 critical targets. Having already examined targets **14.1, 14.3, and 14.4** as a class, it's now time to delve deeper into the remaining targets.

After visiting the SDG #14: Life Below Water page on the UN Website, **select two additional targets** not previously discussed to review.

First Target: _____

Second Target: _____

Conduct an in-depth exploration of these targets and prepare to share your findings in small groups. Write your notes below.

First Target:

Second Target:

Lesson 11 – KWL Chart

Exploration versus Exploitation? The Role of Oceans in Shaping the Future

As a class, you will watch the DW Documentary, "How Humans are Exploiting the Oceans" (2023) for a firsthand look into the realities of the current state of our world's oceans, the ocean's role in the development of new materials and resources for humanity, and the organizations and people working to ensure that ocean exploration and experimentation are sustainable and not dangerous to the ocean's wildlife and ecosystem.

Before watching the documentary, complete the Know and Wonder sections of this chart.

Know	Wonder	Learn
What do you already know, or think you already know, about ocean exploration and its motivations?	*What do you wonder about ocean exploration? What would you like to know about current global projects or initiatives that require ocean exploration?*	*What have you learned about ocean exploration from the documentary? What were your main takeaways? What were some memorable moments?*

After watching "How Humans are Exploiting the Oceans" (2023), fill out the Learn section.

Write down some pros and cons of ocean exploration, based on what you learned from the documentary.

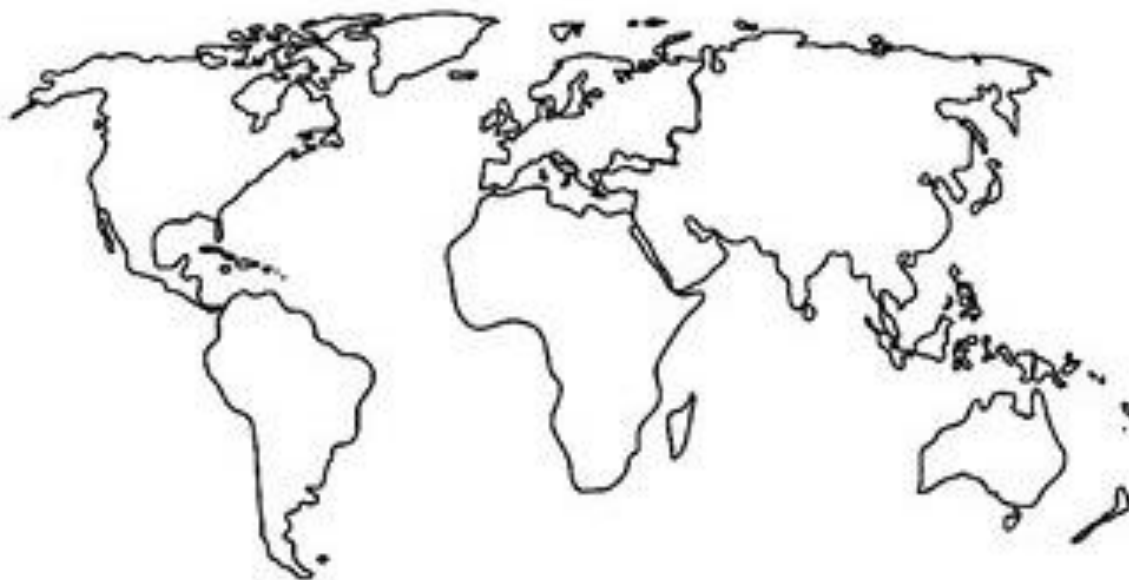| Pros	Cons

Answer the following question below: How does ocean exploration impact the economy and people's livelihoods?

Mapping the World's Oceans – An Exploration of Earth's Major Water Bodies

With a deeper understanding of SDG #14 and its critical targets, it's essential to familiarize yourself with the world's oceans and their pivotal roles in our social, economic, and political systems.

Identify each of the world's oceans on the map below:

Atlantic Ocean, Pacific Ocean, Indian Ocean, Arctic Ocean, and Southern Ocean

Select an ocean or a body of water to research further, and consider its pivotal role in our social, economic, and political systems. For example, consider the economic impact of the South China Sea, essential for facilitating trillions of dollars in global trade annually and transporting crucial energy supplies like oil and natural gas.

I chose the _____.

Conduct your research on the next page, focusing on a social, economic or political system that is impacted by your body of water. Circle the system you will be focusing on:

<u>My Research:</u>

Reflect on the environmental challenges this body of water faces due to its service.

How are individuals and organizations combatting climate impacts specific to this region?

Oceanic Wildlife Exploration Challenge

Reflecting on your Mapping the World's Oceans worksheet, choose a marine animal native to your selected body of water.

The body of water I chose is _____.

The marine animal I chose that is native to that body of water is _____.

Investigate the animal's significance within the ocean's ecosystem. Write down your findings below and answer the following questions.

What challenges does the animal confront due to ocean exploration and climate change?

What are the potential consequences for the ocean if this species becomes endangered?

For the next part of this activity, your class will be separated into two teams. Each student will present 5 clues about their animal, aiming to provide their classmates with enough information to correctly guess the animal. The team with the most correct guesses wins the challenge.

Develop 5 clues about your chosen animal based on your research:

1.

2.

3.

4.

5.