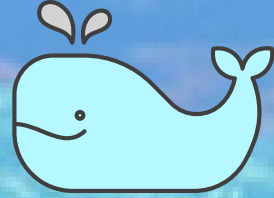


Name(s): _____



A. What is the significance of the oceans for our planet? Justify your answer, after visiting the following websites and studying the following infographic.

<https://www.nationalgeographic.org/media/why-ocean-matters/>



We depend on oceans,
Healthy, productive oceans provide jobs, food and drive economic growth. They keep the planet cool.

 <p>Oceans make up more than 70 percent of earth's surface</p>	 <p>Nearly 60 million people work in fisheries and aquaculture</p>	 <p>Fish is a key source of protein for almost 3 billion people</p>	 <p>Oceans contribute \$1.5 trillion annually to global economy</p>
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and oceans depend on us.

 <p>1/3 fish stocks overfished</p>	 <p>Additional 8 million tons of plastic enter oceans</p>	 <p>Sea levels are rising, seas are warming,</p>
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B. What are the threats the oceans face? Justify your answer, after visiting the following websites and studying the following infographic.
<https://phys.org/news/2021-02-ocean-pollution-danger-human-health.html>



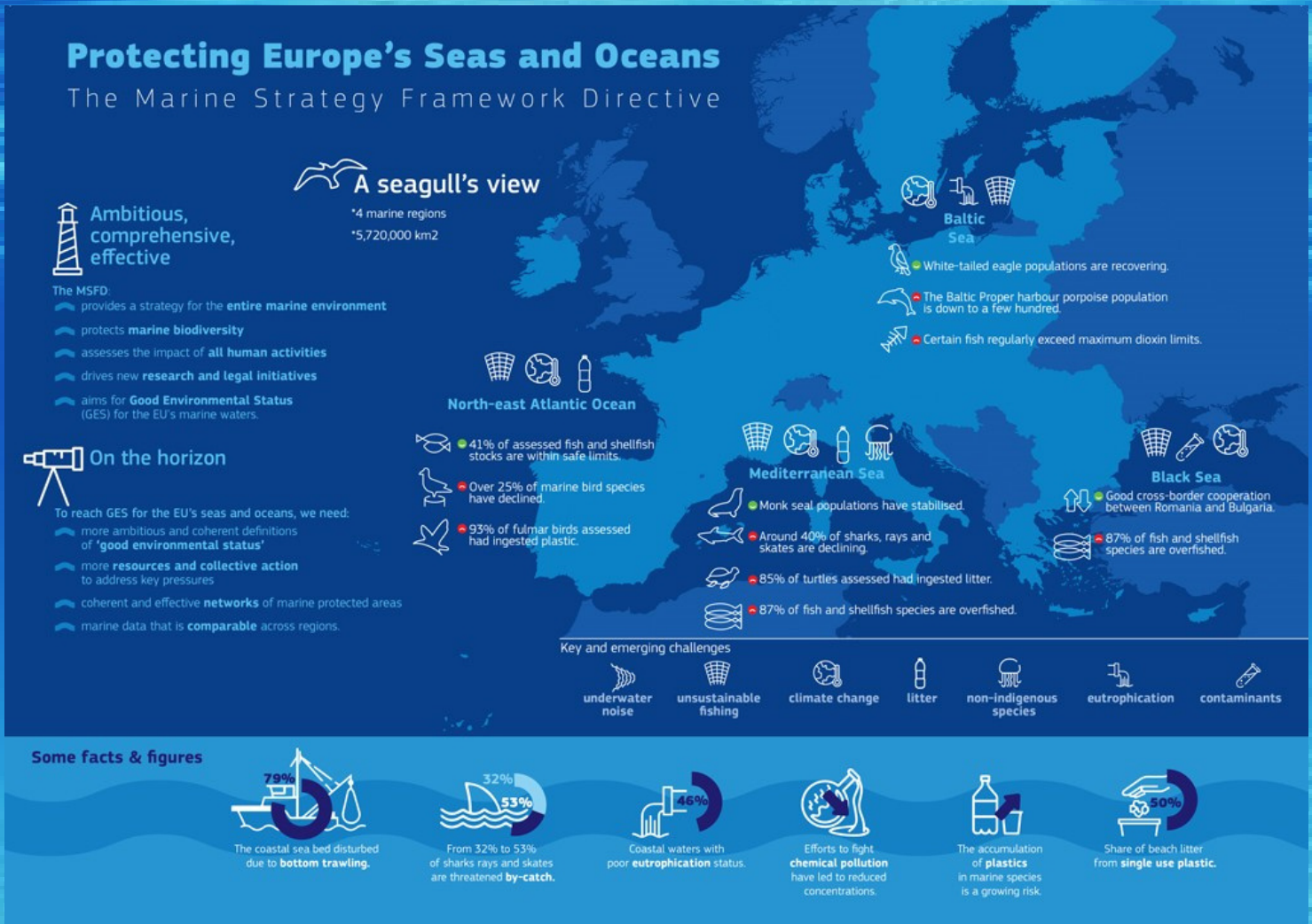
Threats Facing The Oceans and Their Species

Oceans are threatened from human interference such



Ocean Pollution: The Dirty Facts

We're drowning marine ecosystems in trash, noise, oil, and carbon emissions.



Some facts & figures

- 79%** The coastal sea bed disturbed due to **bottom trawling**.
- From **32%** to **53%** of sharks rays and skates are threatened **by-catch**.
- Coastal waters with poor **eutrophication** status: **46%**.
- Efforts to fight **chemical pollution** have led to reduced concentrations.
- The accumulation of **plastics** in marine species is a growing risk.
- Share of beach litter from **single use plastic**: **50%**.

C. Why is the uncontrolled use of plastics the biggest threat to the oceans? Justify your answer, after visiting the following websites and studying the following infographic.



Confronting Ocean Plastic Pollution

For more than a decade, scientists have warned that humankind is leaving so much plastic in the natural environment that future archaeologists will be able t...



World Oceans Day - How does Plastic Affect Ocean Life?

A look at the problem, addressing solutions, and imagining a future where we've solved our plastic crisis. Have you ever thought about what would...

How Does Plastic Affect Ocean Life?



"The greatest threat to our planet is the belief that someone else will save it."

- Robert Swan



The highest concentrations of microplastics are in water **200 - 600 meters**, or 650 - 2,000 feet, below the surface.
Scripps Institution of Oceanography

Marine plastic pollution has impacted at least **267 species** worldwide, including **86%** of all sea turtle species, **44%** of all seabird species and **43%** of all marine mammal species.
cleanwater.org

89% The likelihood of disease increases from **4% to 89%** when corals are in contact with plastic.



Nature Climate Change Publication

60% of all seabird species have eaten pieces of plastic.
PEWtrust.org



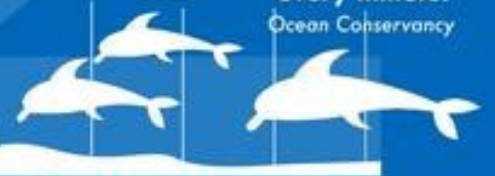
This figure they predict will rise to **99%** by **2050**.



8M tonnes of plastics enter the ocean each year - that's **one truckload every minute**.
Ocean Conservancy



Microplastics lodge in crab gills and guts.
Science News



D. How can we protect the oceans? Justify your answer, after visiting the following websites and studying the following infographic.



10 WAYS TO HELP OUR OCEAN

at home

around town

on the water



1

Conserve Water
Use less water so excess runoff and wastewater will not flow into the ocean.



2

Reduce pollutants
Choose nontoxic chemicals and dispose of all chemicals properly.



3

Reduce waste
Cut down on what you throw away.



4

Shop wisely
Choose sustainable seafood. Buy less plastic and bring a reusable bag.



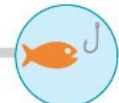
5

Reduce vehicle pollution
Use fuel efficient vehicles, carpool or ride a bike.



6

Use less energy
Choose energy efficient light bulbs and don't overset your thermostat.



7

Fish responsibly
Follow "catch and release" practices and keep more fish alive.



8

Practice safe boating
Anchor in sandy areas far from coral and sea grasses. Adhere to "no wake" zones.



9

Respect habitat
Healthy habitat and survival go hand in hand. Treat with care.

anywhere, anytime



10

Volunteer
Volunteer for cleanups at the beach and in your community. You can get involved in protecting your watershed too!

oceanservice.noaa.gov

