

QUIZ

REVITALIZATION: COLLECTIVE ACTION FOR THE OCEAN

The Ocean is a global body of salt water that makes up 70% of the surface of planet Earth. It is one of the main sources of nutritious food, contributes greatly to the conservation of environmental balance, is the most important source of oxygen on the planet and the major route for global trade.

<p>1. Why do you think the ocean is important? It</p> <ul style="list-style-type: none"> • Constitutes the set of ecosystems that houses marine biodiversity • Releases oxygen into the atmosphere • Contributes to mitigating climate change • Is a source of food and other natural resources • All of the above 	<p>2. What percentage of total atmospheric oxygen do you think the ocean releases?</p> <ul style="list-style-type: none"> • <10% • 10-20% • 20-50% • 50-80% • >80%
<p>3. How many species are estimated to inhabit the ocean?</p> <ul style="list-style-type: none"> • 10,000 • 100,000 • 1,000,000 • 5,000,000 • 10,000,000 	<p>4. On a scale from 1 to 4 (with 4 being the one with the greatest impact): what degree of impact on the ocean would you give to the following threats?</p> <ul style="list-style-type: none"> • Climate change • Contamination • Mining and oil exploitation • Overfishing
<p>5. On a scale from 1 to 4 (with 4 being the main consequence): what do you consider to be the main consequences of overfishing?</p> <ul style="list-style-type: none"> • Destruction of artisanal fishing communities • Food chain imbalance • Reduction of tourism • Depletion of already overexploited fishery resources 	<p>6. How much plastic is estimated to end up in the ocean annually?</p> <ul style="list-style-type: none"> • 10,000 tons • 100,000 tons • 1,000,000 tons • 13,000,000 tons • 130,000,000 tons
<p>7. What alternative is considered to have the least ecological impact for treating oil spills in the ocean?</p> <ul style="list-style-type: none"> • Physical containment barriers • Controlled fires • Biological control with bacteria (biofilm) and hydrocarbon-degrading fungi • Mechanical pick-ups with skimmers • Other: 	<p>8. What percentage of the ocean are marine protected areas?</p> <ul style="list-style-type: none"> • < 10% • 10% • 20% • 30% • 40%
<p>9. What role does the ocean play in climate change?</p> <ul style="list-style-type: none"> • Climate regulator • Release of CO₂ into the atmosphere • Absorption of large amounts of oxygen • Release of methane into the atmosphere • Release of sulfur into the atmosphere 	<p>10. What collective actions do you think should be taken to protect the ocean?</p> <ul style="list-style-type: none"> • Avoid polluting/dumping waste on public roads • Do not consume juvenile fish • Migrate to renewable energy sources • Reduce the consumption of single-use plastics • All the above

Share your thoughts

The ocean is a source of life and prosperity, however, in addition to being overexploited, it is being polluted by the release of excess nutrients from run-off of industrial agriculture, persistent chlorinated pollutants and excessive consumption of non-biodegradable products discarded into the environment. Among them, oxygen-free 'dead zones' and plastics contribute to habitat destruction and the loss of marine biodiversity.

Scientists estimate that 90% of ocean species have not yet been classified, and that more than 80% of our ocean has not been mapped, observed, or explored. While these statistics seem overwhelming, the global scientific community strives to accumulate as much knowledge as possible about life in the ocean, as well as to identify species in a serious state of threat.

Also, in the last 150 years, the average land temperature increased by 1.1°C, with a corresponding increase in sea level. Ocean warming reduces its oxygen content. It is estimated that the main cause has been and continues to be the excessive release of CO₂ from the burning of fossil fuels, which also acidifies the ocean, and other greenhouse gases such as methane from ruminants and other sources.

What collective actions to revitalize the oceans can we take together in your opinion?

Right answers

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