



Classroom Activity: Analyzing Geopolitical Relationships and Oceanographic Features of the Timor Sea and Coral Sea Regions

Introduction (10 minutes)

Read the introduction and answer the following questions:

1. What are the main geopolitical relationships between the nations that border the Timor Sea and Coral Sea regions?

2. How do the oceanographic features of the Timor Sea and Coral Sea regions affect the geopolitical relationships between the nations that border the region?

3. What are the implications of climate change for the Timor Sea and Coral Sea regions, including the impact on the environment and the economies of the region?

Geography Mapping Tasks (20 minutes)

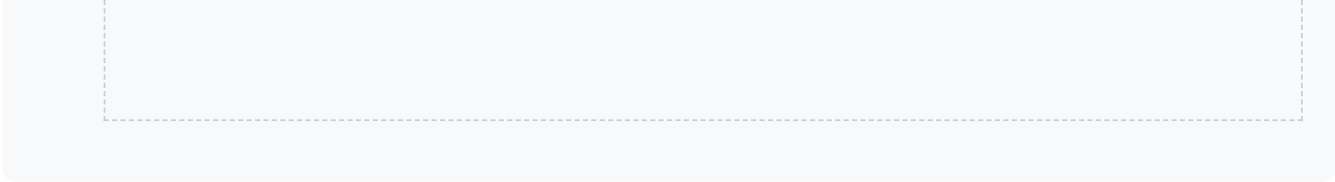
Complete the following tasks:

1. Create a detailed map of the Timor Sea and Coral Sea regions, including the location of key features such as coral reefs, sea mounts, and ocean currents.

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2. Identify and label the nations that border the Timor Sea and Coral Sea regions.

3. Describe the geographical features of the region, including the sea floor topography, ocean currents, and marine ecosystems.



Transect Analysis (25 minutes)

Complete the following tasks:

1. Create a transect of the islands in the Timor Sea and Coral Sea regions, including the location of different types of rocks, soils, and vegetation.

2. Analyze and interpret the data collected from the transect, including the types of rocks, soils, and vegetation found on each island.

3. Describe the geological and ecological features of the islands, including the types of rocks, soils, and vegetation.

Cross-Sectional Study (25 minutes)

Complete the following tasks:

1. Create a cross-sectional study of one of the islands in the Timor Sea and Coral Sea regions, including the location of different types of rocks, soils, and vegetation.

2. Analyze and interpret the data collected from the cross-sectional study, including the types of rocks, soils, and vegetation found on the island.

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3. Describe the geological and ecological features of the island, including the types of rocks, soils, and vegetation.



Case Study (25 minutes)

Research and analyze a recent event or issue in the Timor Sea and Coral Sea regions, such as a natural disaster or a geopolitical conflict.

1. Describe the causes and effects of the event or issue, including the impact on the environment and the economies of the region.

2. Evaluate the responses of the nations that border the region to the event or issue, including the effectiveness of their actions.

3. Propose potential solutions to mitigate the effects of the event or issue.

Critical Thinking Questions (20 minutes)

Answer the following questions:

1. What are the main geopolitical relationships between the nations that border the Timor Sea and Coral Sea regions?

2. How do the oceanographic features of the Timor Sea and Coral Sea regions affect the geopolitical relationships between the nations that border the region?

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3. What are the implications of climate change for the Timor Sea and Coral Sea regions, including the impact on the environment and the economies of the region?



Activities (30 minutes)

Choose one of the following activities:

1. Create a model of the Timor Sea and Coral Sea regions, including the location of key features such as coral reefs, sea mounts, and ocean currents.
2. Conduct a debate on a topic related to the Timor Sea and Coral Sea regions, such as the impact of offshore oil and gas exploration on the marine ecosystems.
3. Create a public service announcement about the importance of protecting the marine ecosystems of the Timor Sea and Coral Sea regions.

[Space for activity]

Conclusion (10 minutes)

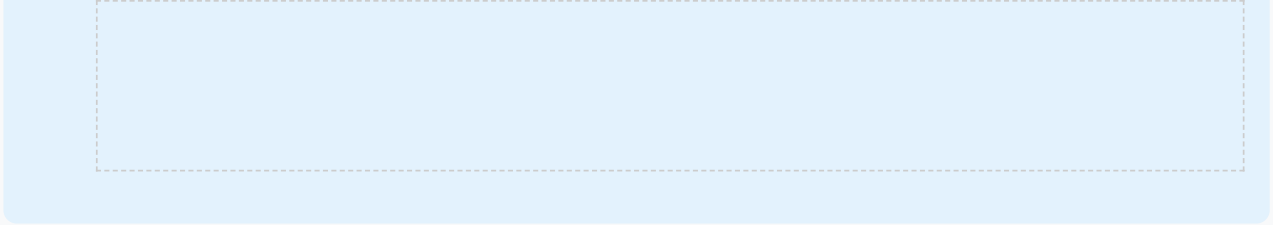
Individual Reflection:

1. What was the most surprising thing you learned about the Timor Sea and Coral Sea regions?

2. How will this learning change your actions in the future?

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3. What questions do you still have about the Timor Sea and Coral Sea regions?



References

List the sources used in your research:

- Australian Government. (2020). Timor Sea and Coral Sea Regions.
- National Oceanic and Atmospheric Administration. (2020). Coral Reefs.
- United Nations. (2020). Sustainable Development Goals.

Glossary

Define the following terms:

- Geopolitics: The study of the relationships between nations and the ways in which they interact with each other.
- Oceanography: The study of the ocean and its features, including the sea floor topography, ocean currents, and marine ecosystems.
- Transect: A line or section through a particular area or feature, used to study and analyze the characteristics of the area or feature.
- Cross-section: A representation of a feature or area, showing its internal structure and characteristics.

