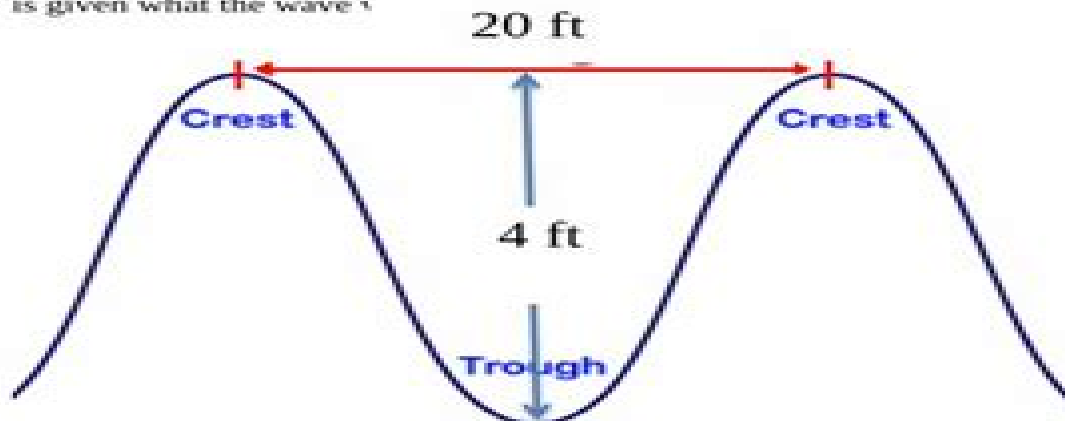


1. What is a fully developed sea?
2. What is a pycnocline?
3. How is a tsunami generated?
4. What is a dangerous consequence of Tsunamis that attracts people to explore further offshore.
5. What is wave period, wavelength, waveheight, period, frequency?
6. The abrupt bulge of water driven ashore by what type of storm is called storm surge?
7. How do you arrange wave types in order from smallest to longest wavelength?
8. Describe how water moves in orbital waves?
9. The vertical distance between a successive wave crest and wave trough is best described as what?
10. A wind wave of 30-meter wavelength will be considered a deep-water wave if it is passing through water that is greater than what depth?
11. The wave you surf on in California may have come from the middle of the Pacific. What has been transmitted across the ocean basin?
12. Define and understand wave refraction and diffraction.
13. Be able to determine deep water and shallow water waves.
14. Define capillary, wind, seiche, tsunami, and tidal waves.
15. What are the factors necessary to make really large wind waves?
16. How devastating was the Sumatran Tsunami of 2004? Japan Tsunami of 2011?
17. What is the restoring force for each type of waves?
18. What accounts for the movement of wind-driven surface currents?
19. Wind is the disturbing force for what type of waves?
20. Please refer to the diagram drawn below to answer what the wave height, wavelength, and if period is given what the wave



21. What is the relationship between the wavelength and it's velocity.
22. Using the table below be able to predict wave height give wind speed, fetch and wind duration.

Oceanography Study Guide

H Kauffman



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Table of Contents Oceanography Study Guide

1. Understanding the eBook Oceanography Study Guide
 - The Rise of Digital Reading Oceanography Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Oceanography Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Oceanography Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Oceanography Study Guide
 - Personalized Recommendations
 - Oceanography Study Guide User Reviews and Ratings
 - Oceanography Study Guide and Bestseller Lists
5. Accessing Oceanography Study Guide Free and Paid eBooks

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 - Interactive Elements Oceanography Study Guide
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 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Oceanography Study Guide
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 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Oceanography Study Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Oceanography Study Guide
 - Setting Reading Goals Oceanography Study Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Oceanography Study Guide
 - Fact-Checking eBook Content of Oceanography Study Guide
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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