

EXAM #1 NEXT TIME Exam composition: - 50-60% Short Answer, Multiple Guess or Matching - 50-40% Short explanation, draw and explain or problems You will have whole 50 minutes

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- We will begin promptly at 11:00 and end at 11:50 AM.
- Bring pencils and a scientific calculator
- ASSIGNMENTS for Wednesday and Friday: Waves: E147-152; and Storm Surge E 165-171.

































Necessary Conditions for Tropical Cyclone Formation

- Ocean warmer than 26°C
- Reasonably humid at 2-5 km altitude (~80% RH... under reexamination)
- Rising saturated air is warmer than its surroundings (conditional instability)
- Weak vertical shear (< 12.5 m s⁻¹)
- Pre-existing disturbance
- More than 5° latitude from the Equator











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