

# Class 9a: Oceans and coastal landforms

# Oceans: the basics

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- Temperatures range from 80° to 28°
- Which shore is warmer?

# Ocean tides

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- Generally a range of 5-10 feet

# Ocean waves

- Undulations on surface of water

# Ocean waves

- Water particles circle around parallel to wave direction

# Ocean waves

- Energy *and* water arrive onshore



# Ocean waves

# Surf's up!

- Three things that matter to surfers:

Surf's up!

# Ocean erosion

# Ocean transport

# Ocean deposition