



## NOAA Jeopardy - Grades 6-8: Ocean

### Available Categories

- Phases
- On the Land
- Corals
- Currents
- Pollution
- Potpourri

### Phases

Answer	Question
The three states of water	What is solid (ice), liquid, and gas (steam)?
When water changes from a solid to a liquid	What is melting?
When water change from a liquid to a gas	What is evaporation?
When water changes from a gas to a liquid	What is condensation?
When water changes from a solid to a gas	What is sublimation?
When water changes from a liquid to a solid	What is freezing?



## On the Land

Answer	Question
Streams and small rivers that feed into a large river	What are tributaries?
A broad flat valley through which a river flows	What is a flood plain?
The land area that supplies water to a river system	What is a watershed?
These land areas provide habitat for wildlife, control flooding, and naturally filter water	What are wetlands?
Three common types of wetlands	What is a marsh, bog, and swamp?
A large underground reservoir of water	What is an aquifer?
The body of water where a river and an ocean meet	What is an estuary?

## Corals

Answer	Question
Considered the rainforests of the ocean	What are coral reefs?
Corals are composed of hundreds to thousands of these	What are polyps?
Corals build reefs when their polyps secrete this	What is calcium carbonate?
Most reef building corals contain these photosynthetic algae	What are zooxanthellae?



Answer	Question
Corals use these stinging cells to capture food	What are nematocysts?
The three types of coral reefs	What are barrier, fringing, and atoll?

## Currents

Answer	Question
The time when the intertidal zone is covered with water	What is high tide?
Ocean currents are driven by the tides, wind, and this process.	What is thermohaline circulation?
Narrow surface current moving from shore at an abnormally rapid speed	What is a rip current?
If caught in a rip current, you should swim in this direction	What is parallel to the shore?
This term is used to describe when water from beneath the surface rises to the surface	What is upwelling?
The effect that causes air to deflect toward the right in the northern hemisphere and toward the left in the southern hemisphere	What is the Coriolis Effect?
The five major ocean-wide gyres	What are the North and South Atlantic, North and South Pacific and Indian Ocean gyres?



## Pollution

Answer	Question
Pollution originates from either of these two "sources"	What are point and non-point sources?
Airborne pollutants, e.g., sulfur or nitrogen, that mix with water and fall to the ground causes this	What is acid rain?
The primary nutrients in non-point source pollution	What are nitrogen and phosphorous?
Occurs when too much nitrogen and phosphorous cause excessive algae growth in a waterbody	What is eutrophication?
A condition to describe low levels of oxygen in water	What is hypoxia?

## Potpourri

Answer	Question
The percent of water on the Earth's surface that contains high concentrations of salt	What is 95%?
The chemical formula for water	What is H <sub>2</sub> O?
Seashells belong to this phylum	What is Mollusca?
Animals with one shell are called this	What is univalve?
Animals with two shells are called this	What is bivalve?



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Answer	Question
The star that runs the water cycle	What is the sun?
SONAR	What is sound navigation and ranging?
This type of cloud carries thunderstorms	What is a vertical cloud (cumulonimbus)?