EXPLORING The Gulf

**SAILDRONE**
Unmanned surface water data collector

**AUV**
Travels in a sawtooth pattern through the water column, logging data at various depths

**BENTHIC LANDER**
Placed on the ocean bottom to take measurements

**MOCNESS**
Net that collects plankton and water samples

**CTD**
Plunges to the ocean floor collecting data and water samples along the way

**ROV**
Remotely Operated Vehicle
- Controlled by people on a ship
- Can explore ocean depths of 6500m (4 miles)
- Connects to ship by cables that transfer power, signals, video, data
- Enables scientists to safely explore for extended periods
- Takes high definition photos/videos and collects samples

**MULTICORER**
Can dive as deep as its cable allows, takes 8 seafloor samples at once

**ALVIN**
Manned submersible, can explore extremely deep locations to collect samples, videos, and photographs

**OBSEVATORIES AND SURVEYORS**
Provide data over long durations and large areas; can be monitored from land

**SEA-GOING EQUIPMENT**
Deployed from research ships to give scientists a snapshot of an underwater site

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