

II. Get Info

A. Air Temperature

- Click on the "National Data Buoy Center" site.
- Click on "Science Education" on the lower left side of the page.
- Click on "Are air temperatures the same over land and water?"
- Read the information and answer the following question.

1. What do you think causes the difference in air temperatures between two stations that are only 192 miles apart?





- After you have answered the question click on Answer at the bottom of the page and compare it with what you wrote.
- Scroll to the bottom of the page and click "Return to Science Education Home."

B. Water Temperature



- Click on "Does water temperature differ between near-shore and offshore sites? Why or why not?"
- Read the information and answer the following questions.



1. Is the colder surface water close to shore or far from shore?

2. We know that water temperatures from near-shore sites differ from temperatures offshore. How does this occur?



- After you have answered the question click on Answer and check what you wrote. Add anything you didn't think of.
- Scroll to the bottom of the page and click on "Return to Science Education home."
- Click on "FAQ" (Frequently Asked Questions) at the top of the page.



C. Buoy Sensors

- Click "Do NDBC's meteorological and oceanic sensors measure data for the entire hour?"

1. How long is data collected at the buoys?

- Click "Back" to return to the main FAQ site.
- Scroll to "At what heights are the sensors located on the moored buoys?"

2. How high are the air temperature sensors located on the buoy at station 41004?

- Click on "Can you describe the moored buoys?"

3. How many different kinds of moored buoys are there? _____

4. Sizes range from _____

5. List the data moored buoys collect.

- Click "Back" to return to the main FAQ site.



D. Data Transmission

- Click on "How do measured data get from the buoy or C-MAN site to the various users worldwide?"

1. How are the data transmitted? _____

2. How often are data transmitted? _____

- Click "Back" to return to the NOAA Research "Ocean Temperatures" main page, or choose "Ocean Temperatures" from your Bookmarks or Favorites.

- Click "Gather Data."

