

Argo Floats Video Questions

Monday 23 June

1. The Life of a Young Scientist

There are nine scientists on this voyage including Denise Fernandez. Denise is a student, starting out on her career as a scientist.

1. Where is Denise from?
2. What courses did Denise study at first at university?
3. What is Denise doing on this voyage?
4. Besides working with cold water and getting sea sick what are some other challenges of being a scientist on board the *Tangaroa*?

Next step learning: Find out about other science careers that involve water (other than oceanography).

2. How does a CTD work?

The CTD is a very important piece of equipment, and Matt Walkington is the guy to talk to about it.

1. What are the two jobs that the CTD does?
2. What is one measurement that is made using sensors?
3. How does the electronic signal from the sensor get back to the computer onboard the *Tangaroa*?
4. When the CTD is lowered into the water all the Niskin bottles are open and water can flow through them. How are they closed?
5. How many Niskin bottles are there on a CTD?
6. Why are there two different ways of measuring temperature, salinity and dissolved oxygen on the CTD?
7. What is the major objective of this voyage?

Next step learning: Find out about electronic sensors that measure things about the environment. What are they used for?