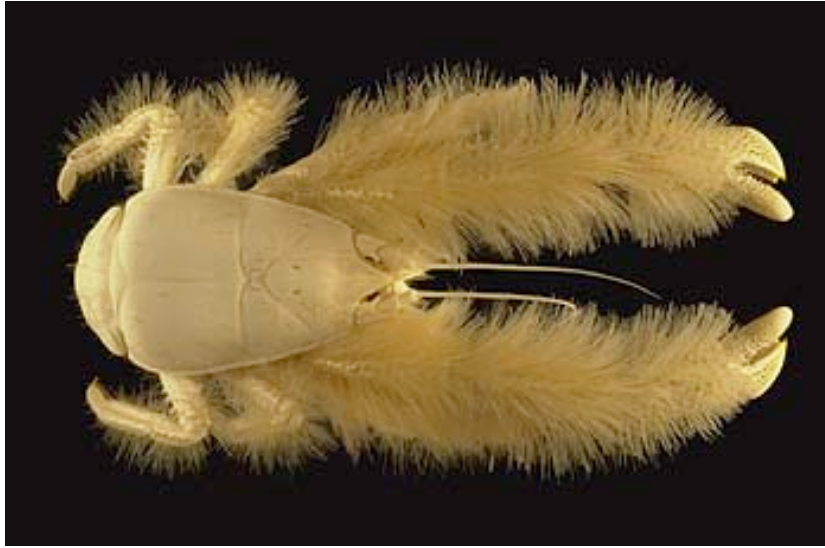


## Yeti Crab Questions

Name:

Period:

In 2005, deep in the ocean off the west coast of South America, a new type of crab was discovered by scientists exploring in a submarine.



Scientists decided to call it a Yeti crab because its hairy arms and white color made them think of the abominable snowman (also called a Yeti). The crab lives on the ocean floor near spots called hydrothermal vents. These vents are cracks in the ocean floor through which very hot water flows out. While filming the crabs, scientists noticed that some of the crabs were waving their arms around. Watch the video footage taken during the discovering dive to observe their movements for yourself.

### **Practice**

Now imagine that you had a chance to interview some of the scientists that are studying this odd-looking creature. Below, write down 5 questions you have about this creature that you think these scientists might be able to answer for you.

Question #1—

Question #2—

Question #3—

Question #4—

Question #5—

## Yeti Crab Questions

Name:

Period:

### Assessment

Think back to when you learned about making good scientific observations. You learned that you needed to be **objective** (reporting facts) instead of **subjective** (reporting opinions). The same idea applies to a scientific question, in that it needs to be something that can be tested. You can observe and test facts, but it is very difficult to observe and report opinions. Unless you happen to be able to talk to crabs.

**"Hey, crab. How are you feeling today?"**

**"I didn't get much sleep last night because I couldn't catch any dinner, and that cute new crab on the vent just won't pay any attention to me. So I guess you could say that I'm ... crabby."**

So, your questions need to be based upon objective observations, and they need to be testable. *And*, they need to start with a capital letter and have a question mark at the end. Take a look back at the questions you wrote after observing the video footage of Yeti crabs around the vent. For each question, you should be able to check off all the requirements below. If your question does not meet the requirements, fix it and rewrite it. If it does meet all of the requirements, just copy it as you wrote it.

- it is based upon objective observations
- it could be tested
- it has proper spelling, grammar, and punctuation

Question #1—

Question #2—

Question #3—

Question #4—

Question #5—

Now, pick *one* of your five questions above. In the space below, explain how you could test it with an experiment.