

APTPLUS - UAB in Antarctica 2010

Scavenger Hunt Questions

[02/03/10 - Preparing for Palmer: Dive Training \(Q1-Q2\)](#)

1. Where is the "deep south" that Chuck is referring to in his blog?
2. What does one have to do to become a "certified scientific diver"?

[02/03/10 - Preparing for Palmer: Scientific Supplies and Equipment \(Q3\)](#)

3. Before "going to the ice," what length of time is required to begin ordering supplies?

[02/03/10 - Preparing for Palmer: Getting There \(Q4-Q7\)](#)

4. Why would you not want to be in line behind the team at the Birmingham Airport?
5. How long does it take to get from Birmingham to Punta Arenas, Chile?
6. What is the name of the ship the researchers take from Chile to Antarctica?
7. Name a group of early Chilean inhabitants and the significance of rubbing the big toe of a statue representing an individual of this group.

[02/04/10 - Ask a Question \(Q8-Q12\)](#)

8. Read Dr. McClintock's response to "Terri" and summarize what he had to say about their research. (Hint: focus on item 6 in his response.)
9. Read Maggie's response to "3rd grade Science Lab Class" and summarize her experience with penguins. (Hint: Focus on item 1 in her response.)
10. What impressive information did Terri Schoenrock find about Antarctica? You will need to look in the comment section to find this information. Click [here](#) or [here](#) for additional information on this topic.
11. Why has Chuck not seen an Emperor penguin at Palmer Station?
12. What three species of penguins can you find at Palmer?

[02/19/10 - Punta Arenas, Chile \(Q13-Q15\)](#)

13. What makes landing in Punta Arenas, Chile so treacherous?
14. What does the cloth satchel contain?
15. What additional clothing did the team need?

[02/21/10 - A Sweet Crossing \(Q16-Q18\)](#)

16. What makes Drake's Passage different from other bodies of water?
17. Find some information about the Laurence M. Gould. You might also be interested in reading more [here](#).
18. What weather phenomenon made it hard for Kate and Ruth to get the full effect of Antarctica as the ship approached?

[02/23/10 - Boating 101: A Burrito and Survival Suit Adventures \(Q19-Q21\)](#)

19. Click [here](#) to find out what Ruth saw on her first morning at Palmer?
20. What is a first priority for newcomers to Palmer Station?

21. Explain the procedure for a "person overboard."

[02/25/10 - And in the Beginning There Was Diving \(Q22-Q23\)](#)

22. Describe the dive gear the team uses.

23. Why are the dive suits red?

[02/28/10 - The Forests of Antarctica \(Q24-Q27\)](#)

24. Where are the forests in Antarctica?

25. What 4 species are the biggest trees in the Antarctic forest? Be sure to click on the link to the video entitled "The Forests of Antarctica."

26. What algae has the most species?

27. Click on the video entitled "Invertebrates at Palmer Station" and give a short synopsis.

[03/02/10 - The Antarctic Peninsula - Bellweather of Climate Change \(Q28-Q31\)](#)

28. What happened to the Marr Glacier ice arch on Amsler Island?

29. Why do you think the island is named Amsler Island? Get more information about Amsler Island by clicking here. You will also need to click on "View the entire narrative" near the bottom of the page.

30. Discuss the ecological consequences of the change identified in #29 on Antarctica, especially as it relates to krill.

31. Discuss the consequences on the penguin population.

[03/05/10 - Bivy Night of Stars \(Q32-Q34\)](#)

32. Where does Maggie prefer to sleep? Why do you think she prefers this?

33. Can you go outdoors in Alabama and see the Southern Cross constellation in the night sky? Why or why not?

34. What does Maggie hear as she drifts off to sleep?

[03/07/10 - Antarctic Animal Collective \(Q35-Q36\)](#)

35. List the animal species Ruth writes about on her blog today.

36. What seals are Ruth's favorite?

[03/10/10 - One Algae, Two Algae, Red Algae, Blue Algae... \(Q37-Q40\)](#)

37. What special algal group does Kate study?

38. Why is this study important?

39. Retell a little about Kate's experiments.

40. How do they get the algae that they need to study and what is the procedure for procurement?

[03/12/10 - Dr. Jo \(Q41-Q45\)](#)

41. Briefly relate Dr. Jo's early history.

42. Before Dr. Jo could apply and be admitted to medical school, what did she have to do?

43. Why is Dr. Jo in Antarctica?

44. Click on the link to the video tour in the 4th paragraph of the blog or click here to check it out. What does Dr. Jo do when she needs to consult with another Doctor?

45. What are some of the things Dr. Jo enjoys doing in Antarctica?

[03/15/10 - A Morning at Palmer \(Q46-Q51\)](#)

46. Chuck generally wakes up to what sounds? Why was this strange?
47. What is the major decision that Chuck and Jim make every morning?
48. What does the iceberg stuck in Arthur Harbor block from the science office window view?
49. What time do they begin the Morning Meeting on Sunday? What time does it begin on other days of the week?
50. What is the favorite morning activity for many of the people there?
51. Give specifics of the things that have to be decided before they actually embark on the "dive op."

[03/17/10 - What Tall Ships, the Chilean Navy, and Bill Gates Have in Common \(Q52-Q54\)](#)

52. Describe Palmer-what is outside, what is inside the buildings, the view outside and inside, the interaction of the people, etc.
53. List some people that have visited Palmer Station.
54. What is a tall ship? Give a brief description of the Bark Europa.

[03/19/10 - Celebrate! Forty-Two and Counting \(Q55-Q58\)](#)

55. What events have they celebrated recently? (Hint the number rhymes with the word "more.")
56. What is "lep re-con"?
57. Select one of the celebrations and write a few sentences about it.
58. For whom is Palmer Station named? You might want to also check out the link at the bottom of this blog.

[03/22/10 - The Tin Can Opening NSF Live Abroad \(Q59-Q62\)](#)

59. Discuss the differences between the Tin Can and Zodiaks.
60. Describe the Lemaire.
61. What are the differences above and below the water?
62. Explain the significance the Gould has in allowing the crew to expand their diving opportunities.

[03/23/10 - The Antarctic Problem \(Q63-Q64\)](#)

63. To what does Jim describe trying to capture Antarctica's essence with a photo?
64. Ultimately what does Jim say is the answer to capturing Antarctica's essence?

[03/25/10 - Getting Ready to Dive \(Q65-Q68\)](#)

65. What do they have to have before anyone can dive?
66. List some of the responsibilities of Rex, the Palmer Station Research Associate.
67. Is it possible for someone to dive and be a tender in the same day? How?
68. Go to the YouTube video icon at the bottom of the right side bar. The video entitled, "UAB in Antarctica: Loading the Boat" will give a glimpse of what is involved in getting the gear to the boat. The videos entitled, "Kate Getting Suited Up for a Dive" and "The Sequel: Kate Getting Out" show the amount

of work it takes to put on the dive suit. It's a lot more work than getting ready for school!

[03/28/10 - Antarctica's Super #1 Top Hit Band \(Q69\)](#)

69. Are waves lapping against ice and the sound of brash ice rolling and clinking in the water only sounds you hear in Antarctica? What else is often heard and what is the origin of the sound(s)?

[03/30/10 A Passion for Pods \(Q70-Q75\)](#)

70. What do they call amphipods in the lab?

71. What are amphipods and where might you have seen an example of one?

72. Go to the YouTube video icon at the bottom of the right side bar. The video entitled, "*Amphipods on Antarctic Macroalgae*" will give you a closer look at amphipods. (Note: you can either use the browser's scroll bar at the bottom to move to the right side or resize the window by pulling the left frame bar over to the left and resizing the links.)

73. Go to the YouTube video icon at the bottom of the right side bar. The video entitled, "*Up-close and Personal with Amphipods on Antarctic Macroalgae*" will give you an "up close and personal" look at Gondo (*Gondogenia antarctica*.)

74. What do amphipods eat?

75. List the four amphipods you have met on this blog.