

Name _____ Date _____

DETERMINING ELEVATION THROUGH THE USE OF COLOR

There are several ways to read elevation (the height of a place above the level of the sea) on a map. One way is through the use of color. This method is useful for giving the general elevation of a place, but it is far from exact. The activity that follows will help you learn to interpret elevation through the use of color.

1. You will need a set of crayons—blue, green, brown, and red.
2. The map on the opposite page shows a make-believe island. Some towns and other kinds of places are shown on the map.
3. You will see certain numerals within an enclosed space. Follow the key shown below and color the enclosures. Try not to color so heavily that the places and names on the map are covered.

Blue: Sea level or 0': 1
Green: Sea level to 1,000': 2
Brown: 1,000' to 2,000': 3
Red: 2,000' to 3,000': 4

4. The elevation of Ponso is somewhere between sea level and _____ feet.
5. Does Island Highway ever climb higher than 1,000' above sea level?

_____ Yes _____ No

6. Does Mountain Road climb to an elevation of at least 2,000 feet?

_____ Yes _____ No

7. If you were at Mountain Springs Resort and looked directly east, would you probably be able to see the ocean on a clear day?

_____ Yes _____ No

Explain your answer: _____

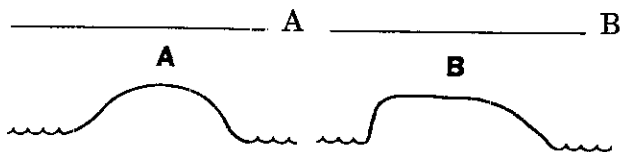
8. How many feet does Rock River fall before it enters the ocean? _____ feet
9. Why would it be difficult to land a boat in Barracuda Bay?

10. At what elevation does Deer River begin? Between _____' and _____'

11. Suppose someone said, "Deer River must flow through a deep gorge." How would you know from studying the map that this is probably true?

12. Find Shark Island north of Pirate Island. Color the enclosures in the same way that you colored Pirate Island.

Now imagine that you are looking at Shark Island from Calypso City. Which of the profiles shown below would it most resemble?



13. How many air miles is it from:
 - a. Cliff House to Ponso? _____
 - b. Jodphur to Calypso? _____
 - c. Channel City to Cliff House? _____
 - d. Ponso all the way around the island on Island Highway and back to Ponso? Approximately _____

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