1. What elevation is the tallest hill in the Pinto Lake Watershed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How large (total measured area) is the Pinto Lake Watershed (units!)? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What kind of different land uses do you see in the Pinto Lake watershed (you may need to ‘turn off’ the contour layer to see this better)?

1. Identify and measure the total area of two other watersheds in the Watsonville area. Include the major land uses that you see in each watershed.

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the Watershed | Describe the  Topography of land | Total Area | Land Uses |
| Harkin Slough |  |  |  |
| College Lake |  |  |  |

1. Based on the satellite image, GIS layers in Google Earth, and your own knowledge how are the Harkin Slough and College Lake watersheds different?
2. Write a question about one of the differences that you observed/wrote about in question (5) (for example how much……….? how long………….?)
3. Try to answer your question just by looking at Google Maps and the resources that are available on the map itself(create a hypothesis).
4. Describe the method or procedure of how you could use one of the tools; measuring length or measuring area, to answer your question.
5. Use the one of the tools to answer your question. Does your measured result match your hypothesis? Why? Why not?
6. How does your answer help you **understand water quality in the two watersheds?**