Batiquitos Lagoon Field Trip Follow-Up

Go to UCSD’s Earthguide website:
http://coastalchange.ucsd.edu/st1_thenandnow/index.html

Click on the “Fossil Coastlines” link in the upper left.

1. Middens are dominated by________________________ shells.
2. What species of clam lives in lagoon environments:________________________
3. Based on archaeological sites, sand beaches appeared along this section of coast about
   _________ years ago.

Click on the “Modeling” link in the top menu bar. Check out the Coastal Evolution diagram. Click on
the sea level buttons below to view a sequence of coastline responses to sea level change. Each stage
is described below the diagram.

1. Sand beaches usually form at________________________, and the last interglacial highstand
   ________ years ago brought wide, perennial sand beaches to the southern California coast.
2. During the last glacial period around 20,000 years ago, sea level stood about_______ meters below
   present; streams________________________as they crossed the exposed shelf.
3. How did today’s estuaries form?
4. Based on the change from diagram 4 to 5, describe how the arrival of sand changed the estuaries
   into lagoons?

Reflection: What piece of information or specific observation from today’s field trip made the most
impact on you? Use 2 or 3 sentences to summarize your thoughts in the below: