

Please write the famous quote below next to its author.

Spyridon Marinatos:

Ralph Waldo Emerson:

Henry David Thoreau:

Sir William Bragg:

Where Are The Dinosaurs?

So, where are they anyway?

Mineral Composition of Points

Where in California do they think the obsidian found here originated?

Name seven different mineral compositions for points.

There are two shows in the theater of the museum. Please discuss the content of each show. If they happen to have changed the show, please cross out the one they stopped and describe the new one:

“Echoes of the Past”:

“Discovery and Recovery”:

Describe the paleohistory of the area by time period below:

	Time Range	Events
Precambrian	_____	_____

Western Science Center Questionnaire

Name _____

Cambrian _____

Ordovician _____

Silurian _____

Devonian _____

Carboniferous _____

Permian _____

Triassic _____

Jurassic _____

Cretaceous _____

Tertiary _____

Quaternary _____

Snapshots in Time-The Paleontology Room

1. Who was Max? What were his dimensions?
2. How did they find him?
3. What percentage of the total fossils is the western horse? What does this imply about the climate?
4. Who was Xena? What were her dimensions? What is special about the fossil?
5. Who is Camelops hesternus? What are its dimensions? Approximately how many fossils were found?
6. Who is Smilodon fatalis? What are its dimensions? Approximately how many fossils were found?
7. Who is Panthera leo atrox? What are its dimensions? Approximately how many fossils were found?
8. Who is Canis dirus? What are its dimensions? Approximately how many fossils were found?
9. Who was Arctodus simus? What are its dimensions? Approximately how many fossils were found?
10. What is the difference between Mammoth columbi and Mammoth primigenius?
11. Who is a closer relative of the elephant, the mammoth or mastodon? How do you know?
12. Who was Paramylodon harlani? What are its dimensions? Approximately how many fossils were found?
13. Who was Nothrotheriops shastensis? How did he walk?
14. Who is Megalonyx jeffersoni? How is Thomas Jefferson involved?
15. Who is Bison latifrons? How big were his horns? When did it disappear?

16. Who is *Bison antiquos*? When did it disappear?

17. Which critter is the oldest fossil found so far?

18. Compare radiocarbon dating with TL dating. What is TL dating by the way...

The Big Picture

1. How many Paleontological dig sites are there?

2. How many fossil specimens have been found?

a. How many vertebrates?

b. How many invertebrates?

c. Plants?

3. How many archaeological artifacts have been found?

4. How many historic sites are there?

5. How many prehistoric sites?

Every Dig Has Its Day

What are the four steps in a “dig”?

1.

2.

3.

4.

Science Is Dynamic

1. Why did ice age giant sloths disappear?
2. What is Mapinguari?
3. Where and when did the last mammoth live?
4. How did saber toothed cats slice their meat?
5. Why didn't small ice age mammals go extinct?
6. What do fossilized seeds tell us?
7. Why didn't ancient hunters bag any of this big game in these valleys?

Be A Dinosaur (the kids area, its okay, some of you are still kids at heart)

Tyrannosaurus Rex

When?_____ Size (length, height, weight):_____

Classification:_____ Eating habits:_____

Triceratops

When?_____ Size (length, height, weight):_____

Classification:_____ Eating habits:_____

IF they changed the kids exhibit, what do they have for the kiddies to do now?

Diamond Valley Lake Visitor Center

1. When was the lake built?

2. How many dams are there? Name each.

3. How were the dams constructed? What material was used?

4. What is the flow rate of the I/O Tower?

5. How deep is the lake and how much water is being held? Make a little drawing showing a cross-sectional or side view of the lake and its approximate depths.

6. What does the solar exhibit discuss?

7. How many aqueducts are in California? Name each one listed.