

How the Earth Was Made: Yosemite

name: _____

Use complete sentences on those questions marked with an asterisk (*).

1. *It appears that the granite “cut through” the sandstone. What really happened?
2. *Explain one reason why Yosemite’s granite is so strong,
3. *What caused the Sierra Nevada to tilt upward?
4. *Describe the new shape of the Merced Valley right **after** the glacier moved through it. (Hint: It was not box-shaped yet.)
5. *Why did the moraine and the melting glacier cause a lake to form?
6. *How did ancient Lake Yosemite cause the valley to become box-shaped (with a flat valley floor), rather than U-shaped?
7. How many people were killed by the rock-fall in 1996? _____
8. *Why did erosion of the volcanic roof above the granite (batholith) cause the surface of the granite to fracture into onion-like layers?