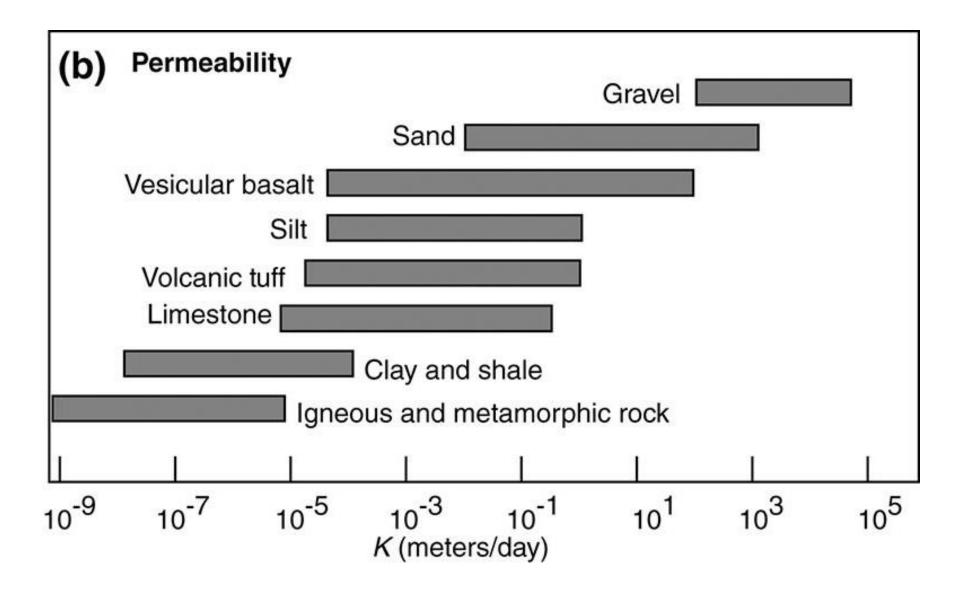
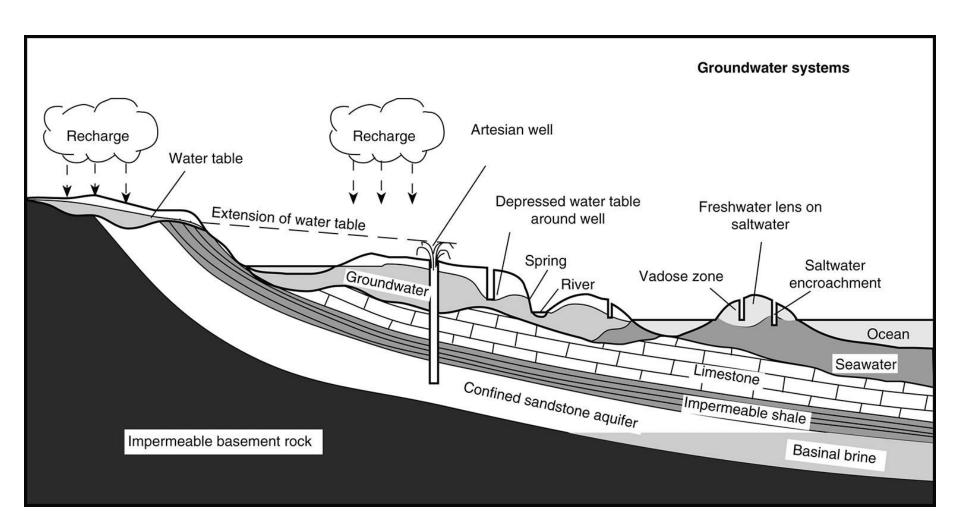
Where do Minerals concentrate within the crust? (Ch.2)

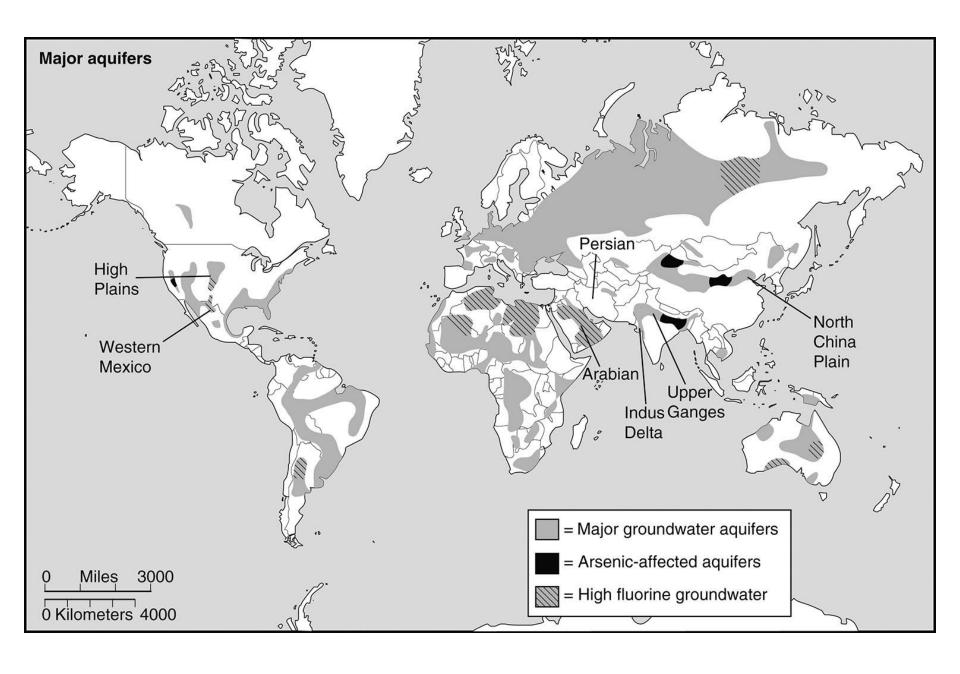
- 1. Soil (through weathering)
- 2. Groundwater
- 3. Magmatic / Metamorphic processes

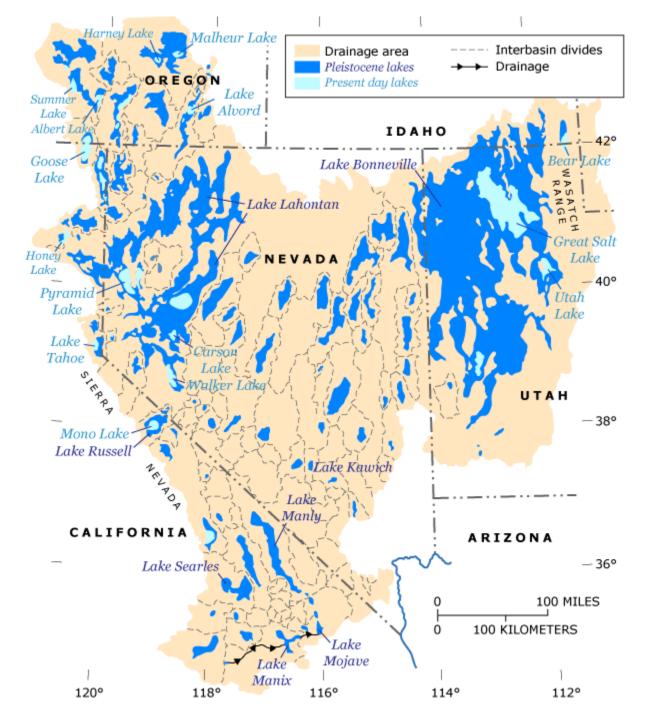
Question:

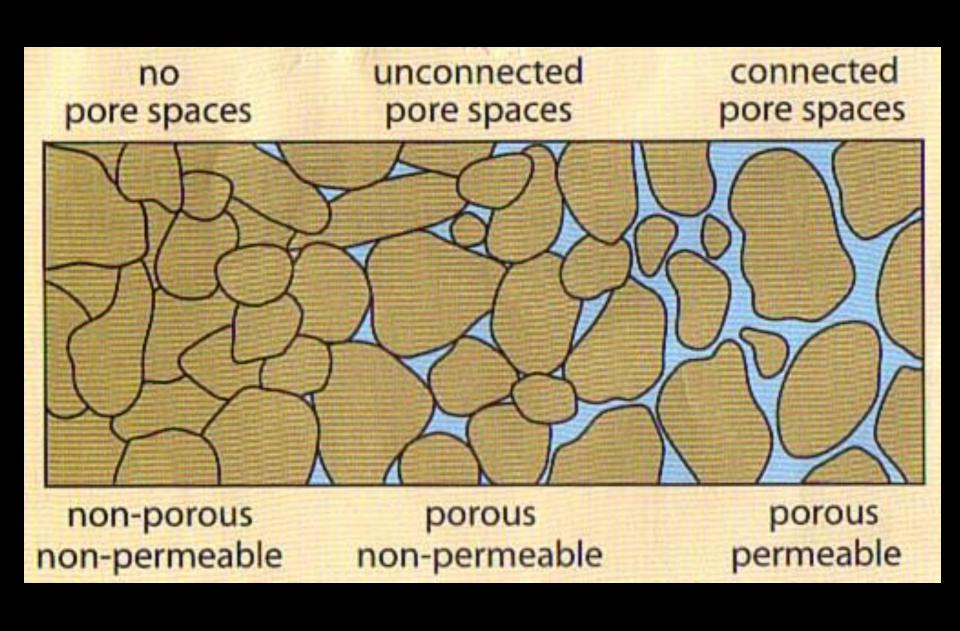
Although mineral deposits are forming today by natural geologic processes, we refer to them as "non-renewable resources." Why?











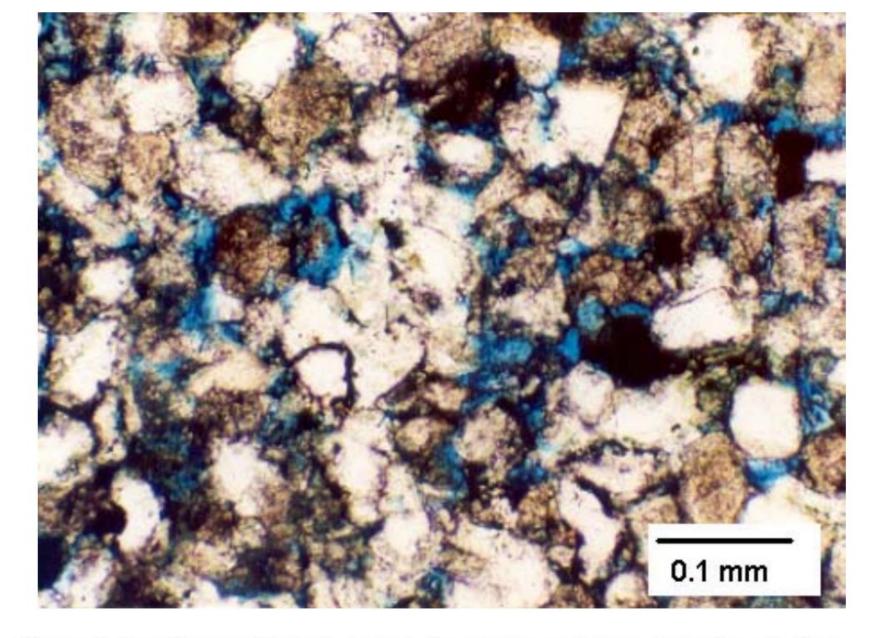
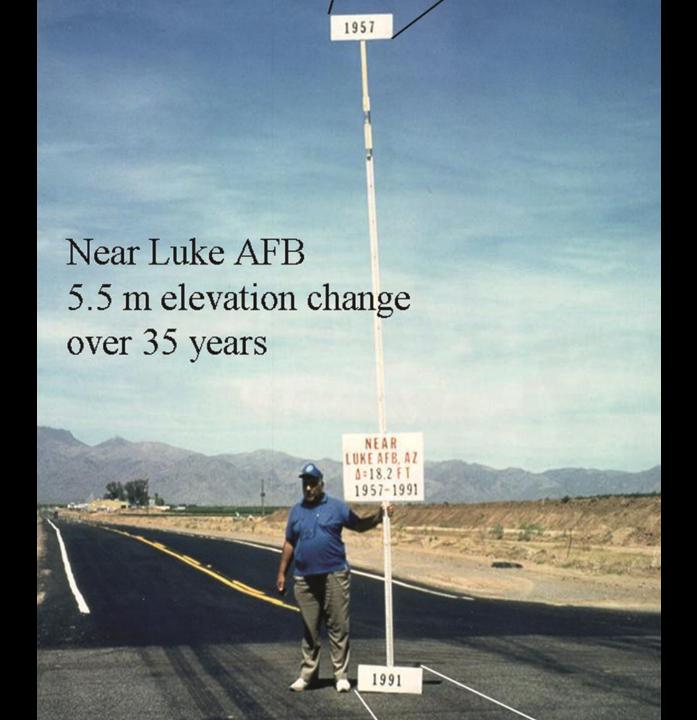
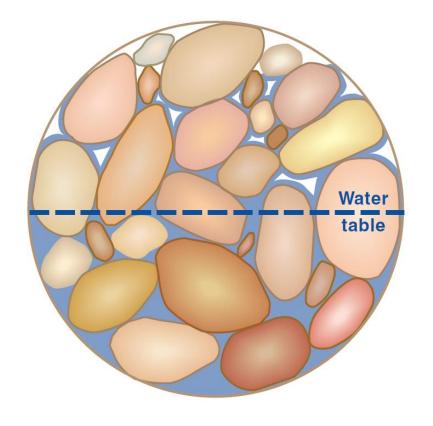
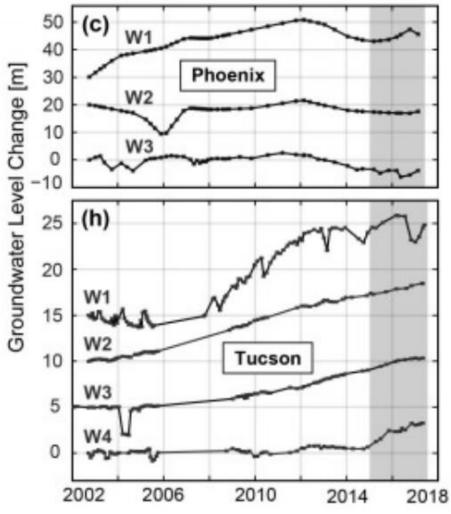


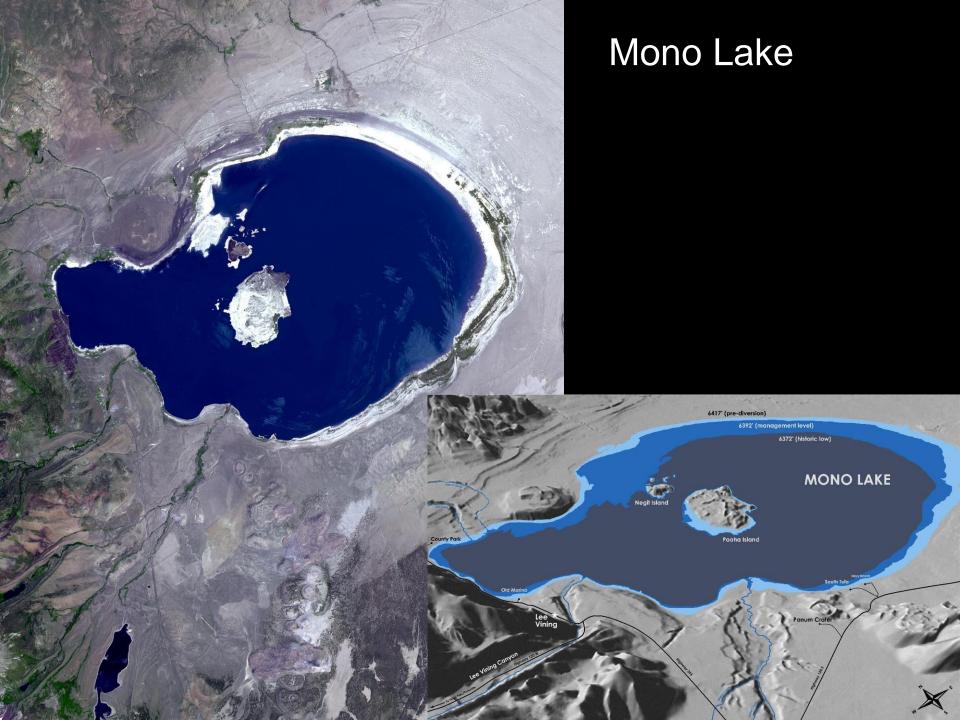
Figure 3. Greatly magnified microscopic image of a sandstone reservoir rock. The pore spaces may be occupied by oil, gas, or water. This is from the gas-productive sandstone of Figure 4. From Broadhead¹.



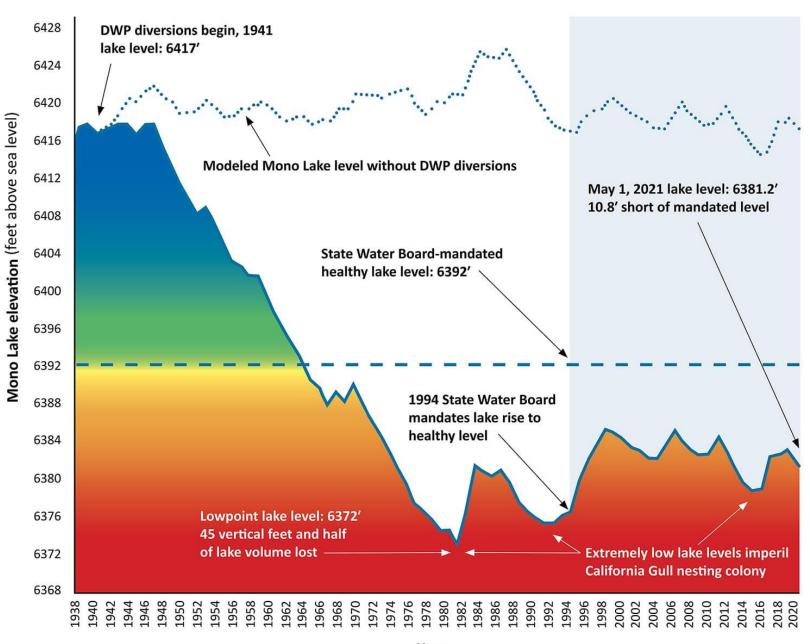








Mono Lake surface elevation







This LADWP groundwater pump is one of many adjacent to the upper section of the LA Aqueduct south of the town of Independence. This area was a wetland meadow before the LADWP began pumping the groundwater into the LA Aqueduct in the early 1970s. Twenty years of litigation between Los Angeles and Inyo County eventually resulted in the 1991 Inyo-Los Angeles Long Term Water Agreement. This legal agreement has never been enforced effectively, and the LADWP continues to pump groundwater in excess of the Long Term Water Agreement's environmental protection goals.

Laying fabric and gravel over playa sediments to decrease airborn dust





Carlsbad is California's largest desalinization plant



Vocabulary:

- Aquifer
- Porosity and Permeability (in rocks)
- Land Subsidence
- Water Table