

The Sciences at Yucca Mountain

Directions: Match the type of scientist in column B needed to study the question in column A.
(Note: There may be more than one type of scientist involved for each question.)

Column A	Column B
___A. How much water infiltrates the surface of Yucca Mountain?	1. Archaeologist
___B. How does water move in the rock under Yucca Mountain?	2. Botanist
___C. How does heat from the waste affect the rock around the repository?	3. Biologist
___D. Could earthquakes occur in the Yucca Mountain area?	4. Chemist
___E. How does water affect nuclear waste?	5. Computer Scientist
___F. What kind of container could keep water from the waste for many thousands of years?	6. Engineer
___G. Could magma move into the underground repository?	7. Geologist
___H. Could global climate change affect the repository's safety?	8. Health Physicist
___I. What minerals are in the rock at Yucca Mountain?	9. Hydrologist
___J. What radionuclides in the waste could move in groundwater?	10. Meteorologist/Climatologist
___K. How could repository activities affect animals in the area?	11. Mineralogist
___L. Where does the groundwater under Yucca Mountain go?	12. Physicist
___M. How would radionuclides in the groundwater affect people living in the area?	13. Seismologist
___N. Are there any Native American sites in the Yucca Mountain area that would be affected by repository activities?	14. Volcanologist
___O. Will the repository isolate waste 10,000 years from now?	