

Worksheet #1

The Repository Concept

Directions: Put the number of the phrase or term from column B in the space provided next to the appropriate item in column A.

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| ___ A. The number of years a repository might remain open | 1. 5.5 meters |
| ___ B. Yucca Mountain, Nevada | 2. about 300 meters |
| ___ C. A geologic repository is a/an | 3. Exploratory Studies Facility |
| ___ D. The diameter of the emplacement tunnels | 4. shielded transport vehicle |
| ___ E. Emplacement drift invert | 5. Do not dig here! |
| ___ F. Outside layer of waste package | 6. to be placed in Yucca Mountain |
| ___ G. Man-made feature that will contain the waste | 7. 50 to 300 years |
| ___ H. The porosity of the rock | 8. steel frame with crushed volcanic rock |
| ___ I. Will move waste to underground tunnels | 9. waste package |
| ___ J. The access tunnel used for science testing | 10. one consideration in determining the location of the tunnels |
| ___ K. Warning markers or monuments | 11. nickel-based alloy (alloy 22) |
| ___ L. Depth beneath surface for disposal facilities | 12. underground disposal facility for nuclear waste |
| | 13. the only high-level waste repository site in the U.S. at present |
| | 14. at least 1,000 years after disposal begins |
| | 15. 10,000 years |