

Test & Answers: 2010 Envirothon, Water Supply Planning for the Morongo Basin Area.

1. What is Safe Yield?
2. What is the difference between consumptive water use and gross water use?
3. Describe the Morongo Basin and its condition (talk about its geography and water supply issues).
4. Convert 200 Gallons Per Capita Per Day to Acre-Feet Per Year
5. Name three ways homeowners can conserve water
6. Water use for a household in the United States averages 172 GPCD. If a homeowner implemented the most stringent available conservation methods, what GPCD could they reasonably expect to achieve and what types of conservation would need to take place order to achieve that GPCD?

7. Rank the following items from greatest to least water consumption for an average home in the United States

8. How are future water demands projected for a given study area?

9. Define: groundwater basin.

10. What is the California State Water Project?

11. Which type of water conservation incentive program is the most expensive for Mojave Water Agency in terms of the cost per acre-foot of water conserved?

12. What is the average annual natural water supply to the Morongo Basin study area, and what amount of gross water use can it provide for?