

Eco-Meet 2018  
Phinizy Center for Water Sciences  
Drinking Water/ Wastewater; The Urban Water Cycle  
Sample Test Questions

1. What two processes from the hydrologic cycle are used in the desalination process?
  - a. Condensation and deposition
  - b. Evaporation and condensation**
  - c. Evaporation and precipitation
  - d. Evapotranspiration and condensation
  
2. The city is planning to upgrade its municipal drinking water infrastructure that takes clean water to the citizens within the community. The project will cost \$80 million to complete overall.
  - A. If this cost is split evenly between each of the 200,000 residents over a 5 year period, how much money will each resident pay per year?  
 $\$80,000,000/200,000 \text{ residents} = \$400 \text{ each per resident over 5 years}$   
 $\$400/5 = \$80 \text{ each per resident per year (12 months)}$
  
  - B. If this amount is added to the monthly water bill, how much would be added to each month to pay for the project?  
 $\$80/12 \text{ months} = \mathbf{\$6.67 \text{ per month per resident for 5 years total}}$
  
3. What compound is used in the drinking water process to aid in Flocculation?
  - a. Chlorine
  - b. Aluminum sulfate (Alum)**
  - c. Fluoride
  - d. sediment
  
4. The process of removing trash and large debris from wastewater is known as:
  - a. Preliminary treatment**
  - b. Primary treatment
  - c. Secondary treatment
  - d. Tertiary treatment