

Eco-Meet
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?
 $\$80 / 12 \text{ months} = \$6.67 \text{ per month per resident for 5 years total}$

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