

Name _____

Edwards Aquifer Region

Directions: Use the map, graphs, and aquifer graphics to answer the following questions:

- 1. What counties **COLLECT** the most surface runoff for the aquifer?

- 2. What two zones is San Antonio in? In which zone is the biggest part of the city?

- 3. Look at the bar graph titled *Average Annual Recharge from the Region's River Basins*. Rank the rivers in order of greatest to least recharge:

4. In what counties does most of the recharge occur?

5. Look at the bar graph titled *Regional Population and Water Use*. What is the relationship between population and water use?

What is the relationship between time and population?

Use this information to predict regional water use in 2050. Explain your prediction.

6. Explain why most (85%) of the precipitation falling over the aquifer does not make it to the water supply.

7. How does Canyon Lake affect the recharge zone? Explain your answer.

8. What is the purpose of recharge dams?

9. Where do surface streams beyond the aquifer end up?

10. What is the first step in responsible decision making about the aquifer?
