Now that you’ve toured our plant and covered the steps of the water treatment process, it’s time to see how much you’ve learned.

1. HOW MANY CUSTOMERS IN ST. LOUIS COUNTY RECEIVE WATER FROM MISSOURI AMERICAN WATER?

2. WHEN WAS THE MISSOURI AMERICAN WATER CENTRAL PLANT FIRST CONSTRUCTED?

3. WHAT IS THE SOURCE OF THE WATER FOR THE CENTRAL PLANT? (BONUS: HOW MANY GALLONS OF WATER FLOW THROUGH EVERY SECOND?)

4. WHAT IS TURBIDITY?
5. What happens during coagulation and flocculation? What is the name for the heavy particles that result from this process?

6. At the sedimentation basin, what chemicals are added to disinfect the water?

7. What is the purpose of adding fluoride to the water?

8. What materials make up the layers of the filters in the interior filter gallery.

9. What are the main functions of the pumps in the pump room?

10. The St. Louis County Water system contains how many miles of water mains?

11. Missouri American Water’s goal is to always maintain ___________ water quality that continually surpasses ___________ requirements.

Bonus: What is the chemical symbol for water?