

# ACTIVITY BOOKLET ANSWERS

## MATCH THE TECHNOLOGY



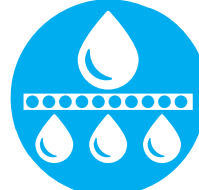
UV/Advanced Oxidation



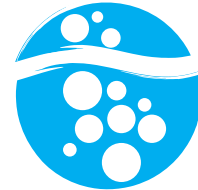
Membrane Filtration



Reverse Osmosis



Biological Activated Carbon Filters



Ozonation

## MAZE

Help our water superhero find his way to the park, home, school and business.



## WATER QUIZ/TRUE OR FALSE

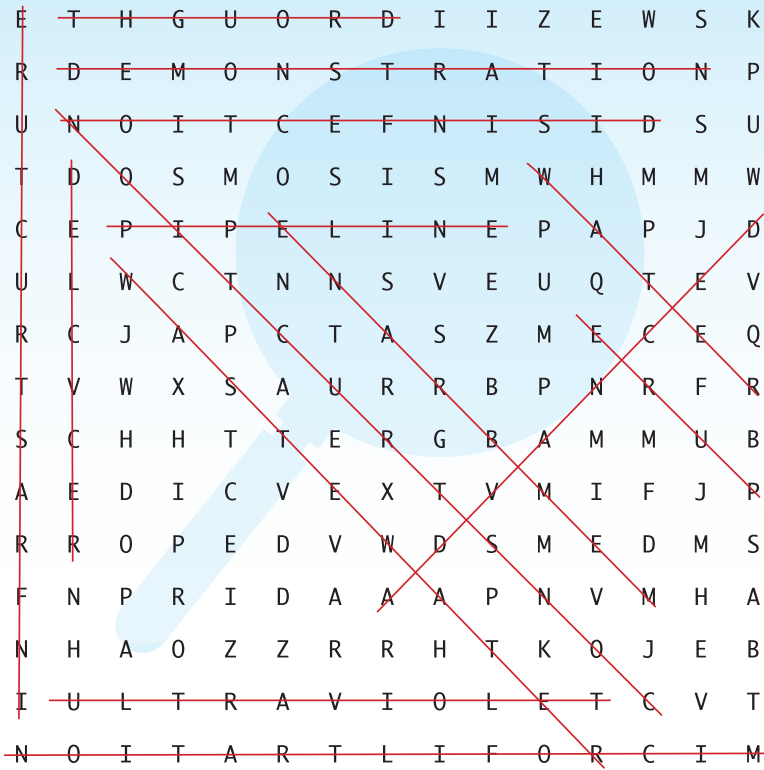
1. The water coming out of your faucet contains molecules that the dinosaurs drank. **TRUE**
2. Most of San Diego's water supply comes from local rainfall. **FALSE**
3. San Diego is at the end of the pipeline when importing water from the Colorado River and Northern California. **TRUE**
4. The City of San Diego's "purple pipes" carry recycled water to use on lawns and for industries. **TRUE**
5. Recycled water from the purple pipes is safe to drink. **FALSE**
6. Pure Water San Diego has proven that San Diego can safely purify recycled water to make it drinkable. **TRUE**
7. A reservoir is a man-made lake or tank used for storing water. **TRUE**
8. The Pure Water Program uses a process that includes membrane filtration, reverse osmosis and ultraviolet disinfection to purify recycled water. **TRUE**
9. San Diego is the first place in the nation to use water purification technology. **FALSE**
10. If you drink tap water at Disneyland, you are most likely drinking purified water. **TRUE**

## WORD SEARCH

Words related to the Pure Water Program are hidden in the puzzle below. Find the Word Bank words in the puzzle. Words may go right, left, up, down, and diagonal.

### WORD BANK:

ADVANCED, DEMONSTRATION, DISINFECTION, MEMBRANE, MICROFILTRATION, PURE, RECYCLED, ULTRAVIOLET, WATER, PIPELINE, WASTEWATER, DROUGHT, CONSTRUCTION, INFRASTRUCTURE



## PURE WATER GLOSSARY

- Acre-foot** A process that separates small particles from water by using a porous barrier to trap the particles and allow the water to pass through.
- Demolition** A long pipe, typically underground, for conveying oil, water, gas, etc. over long distances.
- Desalination** A type of excavation or depression in the ground that is generally deeper than it is wide, and narrow compared with its length.
- Filtration** The adjustment of a utility facility required by the program.
- Groundwater** A manmade lake or tank used to collect and store water.
- Pipeline** The dismantling, razing, destroying or wrecking of any building or structure or any part thereof.
- Potholing** A unit used to measure large volumes of water. It equals the volume of water required to cover one acre to a depth of one foot.
- Reservoir** The process of removing salts and other minerals from seawater or brackish groundwater.
- Trench** Water beneath the earth's surface that supplies wells and natural springs.
- Utility Relocation** The practice of digging a test hole to expose underground utilities to ascertain the horizontal and vertical location of the facility.

## CROSSWORD PUZZLE

