



TAKE CARE OF TEXAS: EDUCATOR MATERIALS

WORKSHEET

Testing Water: Physical Properties

Name:			
Team Members:			
Stream Name/Location:			
Air Temperature:			
Weather Conditions:			
Temperature			
Water Temperature: ____ °F			
Convert to Celsius using the following equation: $(\text{____}^{\circ}\text{F} - 32) \times \frac{5}{9} = \text{____}^{\circ}\text{C}$			
Potential factors affecting water temperature:			
pH			
pH: ____			
The water is (circle): Acidic Neutral Basic (Alkaline)			
Potential factors affecting pH:			
Dissolved Oxygen			
Dissolved Oxygen: _____ ppm (mg/L)			
Potential factors affecting dissolved oxygen:			



W-LP11 (5/25)

How is our customer service? www.tceq.texas.gov/customersurvey

The TCEQ is an equal opportunity employer. The agency does not allow discrimination on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation or veteran status.

Flow

Width (W): _____ meters (m)

Average depth (D): _____ meters (m)

Time the cork traveled two meters: _____ seconds (s)

Calculate velocity (V) by entering the time above into following equation:

$$\frac{2 \text{ meters}}{\text{____ seconds}} = \text{____} \frac{m}{s}$$

Calculate flow ($\frac{m^3}{s}$) using the following equation:

$$W \times D \times V = \text{____} m \times \text{____} m \times \text{____} \frac{m}{s} = \text{____} \frac{m^3}{s}$$