

# pH Unknown Data Sheet

Volunteer (School) Group: \_\_\_\_\_

Test Date: \_\_\_/\_\_\_/\_\_\_

Circle your pH meter model: Beckman      Hanna 8424      Hanna 9126

9126 pH probe condition (face of meter):



## Test 1:

pH Unknown Batch: # \_\_\_\_\_

1. Did you soak probe in KCL solution at least three minutes prior to calibration?       Yes       No

2. Calibrate meter as normal.      Buffer 7 reading \_\_\_\_\_      Buffer 10 reading \_\_\_\_\_

Are the readings within the acceptable ranges of 6.85 - 7.15 & 9.85 - 10.15?       Yes       No

3. Measure your pH reading / temperature reading

|                     |                     |
|---------------------|---------------------|
| a. _____ / _____ °C | b. _____ / _____ °C |
| c. _____ / _____ °C | d. _____ / _____ °C |
| e. _____ / _____ °C | f. _____ / _____ °C |

**Note: Make sure to record at least 3 pH readings of the unknown sample.**

Comments: \_\_\_\_\_

\_\_\_\_\_

Volunteer #1 Signature: \_\_\_\_\_

Date recorded \_\_\_\_\_

# pH Unknown Data Sheet

Volunteer (School) Group: \_\_\_\_\_

Test Date: \_\_\_/\_\_\_/\_\_\_

## Test 2:

pH Unknown Batch: # \_\_\_\_\_

9126 pH probe condition (face of meter):



4. Did you soak probe in KCL solution at least three minutes prior to calibration?  Yes  No

5. Calibrate meter as normal. Buffer 7 reading \_\_\_\_\_ Buffer 10 reading \_\_\_\_\_

Are the readings within the acceptable ranges of 6.85 - 7.15 & 9.85 - 10.15?  Yes  No

6. Measure your pH reading / temperature reading

|                     |                     |
|---------------------|---------------------|
| a. _____ / _____ °C | b. _____ / _____ °C |
| c. _____ / _____ °C | d. _____ / _____ °C |
| e. _____ / _____ °C | f. _____ / _____ °C |

**Note: Make sure to record at least 3 pH readings of the unknown sample**

## Results

1. Record your final Reading: Test 1. \_\_\_\_\_ Test 2. \_\_\_\_\_

2. True Value (to be completed by RW Staff): Test 1. \_\_\_\_\_ Test 2. \_\_\_\_\_

3. Percent Recovery: Test 1. \_\_\_\_\_ Test 2. \_\_\_\_\_

4. Please describe pH probe shaft \_\_\_\_\_

Comments: \_\_\_\_\_

Volunteer #2 Signature: \_\_\_\_\_

Date recorded \_\_\_\_\_

Entered/Validated by RW staff: \_\_\_\_\_

Date: \_\_\_\_\_