

Student names: _____

Block _____

**Student Data Sheet for Mud Creek Case Study:
Chemical Measurement of Stream Health**

A. Measure water chemistry and record data below.

Below, record the results of all three research teams.

1. pH

Upper Mud Creek: _____

Lower Mud Creek: _____

Mud Tributary: _____

2. Dissolved oxygen (mg/L)

Upper Mud Creek: _____

Lower Mud Creek: _____

Mud Tributary: _____

3. Total dissolved solids (mg/L)

Upper Mud Creek: _____

Lower Mud Creek: _____

Mud Tributary: _____

4. Turbidity (NTU)

Upper Mud Creek: _____

Lower Mud Creek: _____

Mud Tributary: _____

B. Interpret the class results.

1. Why does measuring pH provide information about stream health?

2. Why does measuring dissolved oxygen provide information about stream health?

3. Why does measuring total dissolved solids provide information about stream health?

