

## **Biotic/Abiotic Table**

Make the following table in your journal, then fill in the entire table. The first line with "fecal coliform" is a sample to be followed for the rest of the items.

| <b>Factor</b>                            | <b>Biotic / Abiotic</b> | <b>Describe how to test this (summary of the protocol).</b>                              | <b>Explain how this factor is important to the river ecosystem.</b>                                   |
|------------------------------------------|-------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <u><b>Fecal Coliform</b></u>             | <i>Biotic</i>           | <i>Put river sample in test tubes with liquid that fecal coliform bacteria grows in.</i> | <i>Fecal coliform bacteria is unhealthy for people and other organisms, as it can make them sick.</i> |
| <u><b>Temperature</b></u>                |                         |                                                                                          |                                                                                                       |
| <u><b>Turbidity</b></u>                  |                         |                                                                                          |                                                                                                       |
| <u><b>pH</b></u>                         |                         |                                                                                          |                                                                                                       |
| <u><b>Dissolved Oxygen</b></u>           |                         |                                                                                          |                                                                                                       |
| <u><b>Salinity</b></u>                   |                         |                                                                                          |                                                                                                       |
| <u><b>Benthic Macroinvertebrates</b></u> |                         |                                                                                          |                                                                                                       |
| <u><b>Birds</b></u>                      |                         |                                                                                          |                                                                                                       |
| <u><b>Sediment Size</b></u>              |                         |                                                                                          |                                                                                                       |