

Rubrics

Level 4

- Student can list and accurately describe at least six basic procedures for measuring the chemical, physical, and biological aspects of stream health.
- Student can describe what aquatic macroinvertebrates are, understands that some are pollution tolerant and some are pollution intolerant species, and can describe how biodiversity of the aquatic macroinvertebrates can be used to assess stream health.
- Student understands the importance of DO and pH levels in a healthy stream and can name more than three variables that influence these levels.
- Student can describe more than five reasons why stream health is important.

Level 3

- Student can list and accurately describe at least four basic procedures for measuring the chemical, physical, and biological aspects of stream health.
- Student can describe what aquatic macroinvertebrates are and understands that diversity of these organisms is an indicator of stream health (without necessarily knowing why).
- Student understands the importance of DO and pH levels in a healthy stream and can name more than two variables that influence these levels.
- Student can describe less than five reasons why stream health is important.

Level 2

- Student can list at least two variables for measuring the chemical, physical, and biological aspects of stream health, but has difficulty describing the procedures of any testing method.
- Student has a slightly inaccurate definition for aquatic macroinvertebrates and does not list biodiversity of these organisms as an indicator of stream health.
- Student understands the importance of DO and pH levels in a healthy stream but can not name any variables that influence these levels.
- Student can describe less than three reasons why stream health is important.

Level 1

- Student can only list one variable for measuring the chemical, physical, and biological aspects of stream health and cannot describe procedures for this method.
- Student has an inaccurate definition for aquatic macroinvertebrates and does not understand at all how their assessment can relate to stream health.
- Student does not understand the importance of DO and pH to stream health and has difficulty describing one reason why stream health is important.