

Ecosystem Health – Water Quality

EXIT TICKET



Directions: Make a comic book drawing of a body of water with one of the following:

- High temperature
- Low dissolved oxygen
- High or low pH
- High nitrate

A large, empty rectangular box with a thin black border, intended for a student to draw a comic book illustration of a body of water affected by one of the listed conditions.

Write a description of your drawing:

ANSWER KEY

Work may vary

High Temperature:

- Rising steam or heat waves above it indicating a high temperature
- Depict aquatic organisms like fish and plants showing signs of heat stress such as “panting” or wilting

Low Dissolved Oxygen:

- Illustrate bubbles rising from decaying matter on the seafloor
- Show species gasping for air near an oxygen source (an aerator in an aquarium for example)

Low pH (acidic conditions):

- Uses color to represent acidity – like red or pinkish tones
- Show aquatic life with damaged, easily crushable shells

High pH (alkaline conditions):

- Uses color to represent alkalinity with blue or purple tones
- Depict thriving environment with vibrant colors

High Nitrate Levels:

- Excess nutrients entering the water possibly from runoff or pollution sources
- Represent algae blooms with a green or cloudy depiction.