worksheet

Water quality 2

What do you think might happen to water quality in each of the following situations?
Build mind maps to show how physical, chemical and biological characteristics of water quality might be affected.

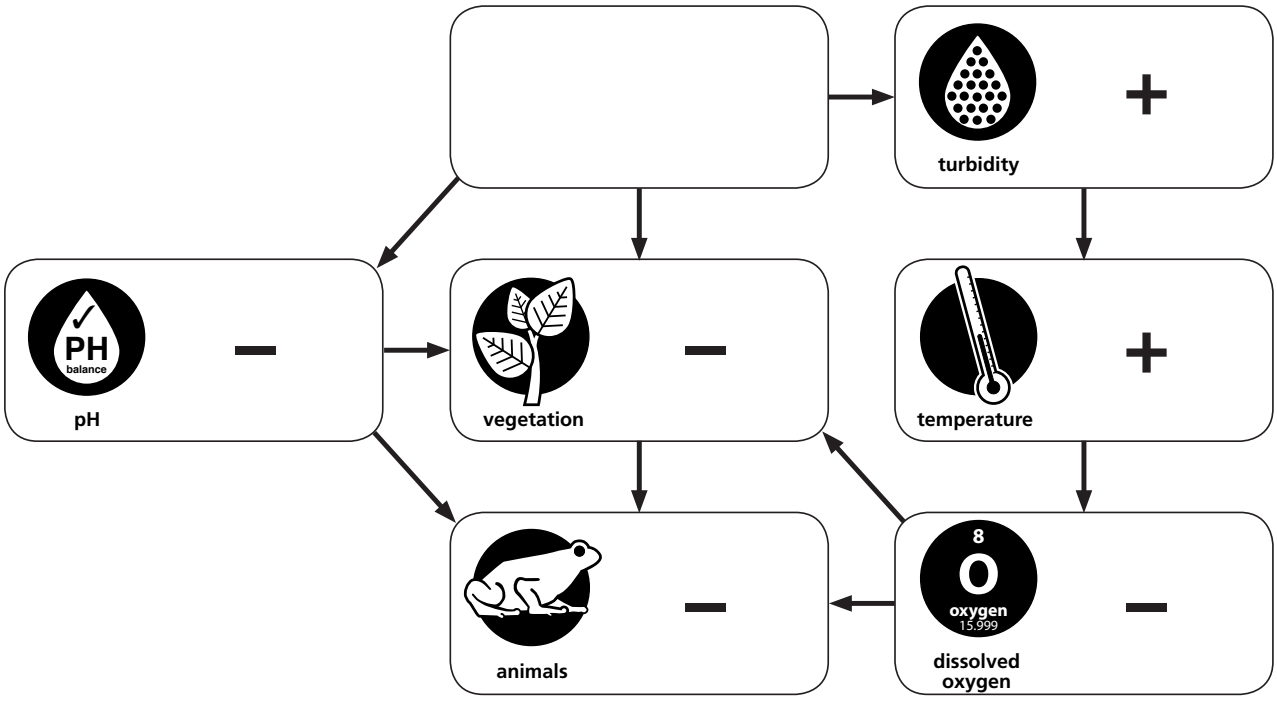
Use symbols to indicate changes to water quality measurments:

+ measurement increases
– measurement decreases
= measurement doesn't change

Use arrows (↑ ↓) to show how a change to one water quality characteristic impacts others.

To get you started a sample mind map is provided below.

Sample scenario: acid chemical spill contaminates lake



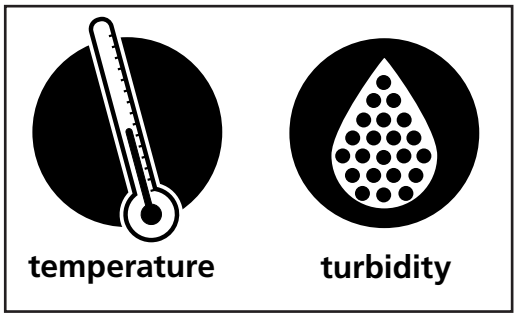
Campers leave litter behind

They might enjoy the great outdoors but some visitors aren't doing the right thing around water bodies.

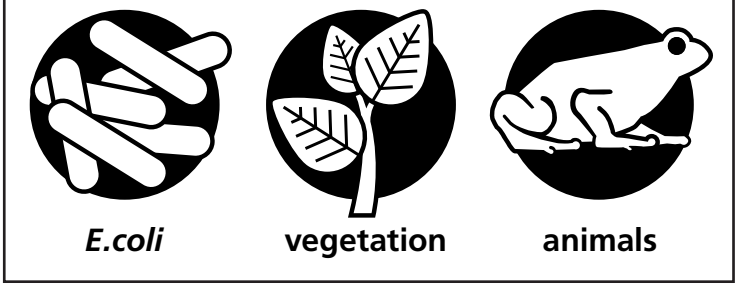
Build a mind map to show how leisure activity, such as camping, impacts on water quality.

Include any or all of the water quality characteristics below in your mind map.

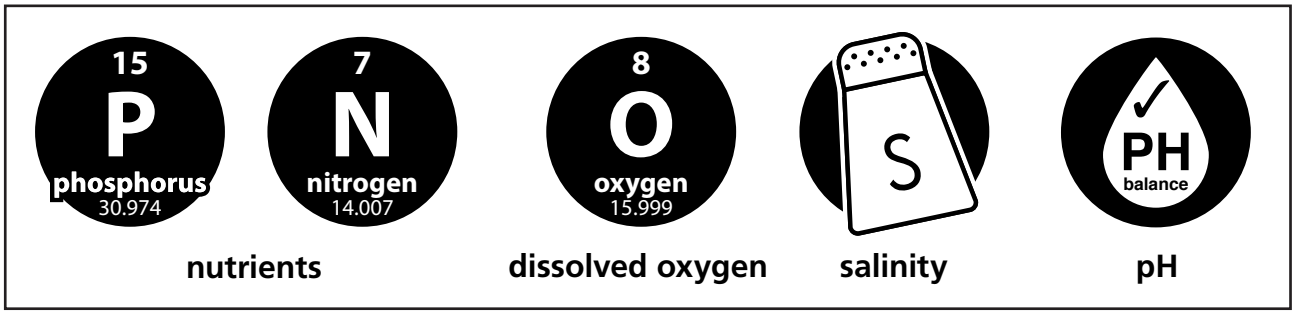
PHYSICAL CHARACTERISTICS



BIOLOGICAL CHARACTERISTICS



CHEMICAL CHARACTERISTICS



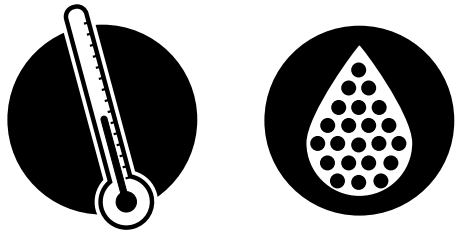
Sewage spill contaminates river

Residents have been warned to stay out of the local river after thousands of litres of raw sewage leaked into the water.

Build a mind map to show how leisure activity, such as camping, affects water quality.

Include any or all of the water quality characteristics below in your mind map.

PHYSICAL CHARACTERISTICS



BIOLOGICAL CHARACTERISTICS

CHEMICAL CHARACTERISTICS