

- What is an atom? How is it different from a molecule? A compound? A mixture?
- What does the Periodic Table contain?
- What is the difference between physical and chemical changes?
- What happens in a chemical reaction?
- What is the hydrosphere?
- Is most of the water on Earth freshwater or saltwater?
- What are some of the river basins in North Carolina?
- How does upwelling deliver nutrients to the surface of the ocean?
- How does dissolved oxygen impact fish?
- What does pH measure?
- How might counting the number of frogs in a pond be an example of bioindicators?
- Explain the difference between epidemic and pandemic as it relates to the spread, treatment and prevention of disease.
- How are viruses, bacteria, fungi, and parasites different? How do these differences influence the treatment and/or prevention of disease?
- What is the difference between a renewable and nonrenewable resource?
- What are fossil fuels? What are three examples of fossil fuels?
- How have living things changed over time?
- How is the age of rocks, fossils, and Earth determined?
- How do factors such as food, water, shelter, and space affect populations in an ecosystem?
- How and why do organisms interact with one another?