

## Agronomy 354 Chemistry Review Questions



### DO YOU KNOW?

1. What is an electron, proton, and neutron, and how are they involved in atomic structure?
2. What makes an atom of nitrogen different from an atom of carbon?
3. What is a cation and what is an anion?
4. Why do cations have positive charge and anions negative charge?
5. Why is the atomic mass of calcium 40.08 but that of magnesium is only 24.31?
6. What is an [equivalent weight and milliequivalent weight](#)?
7. What is [Avogadro's number](#) and why is it important?
8. What is an acid and what is a base?
9. How is pH determined and what does it represent?



If there are any of these questions you cannot answer with some degree of certainty, you need to review basic chemistry. Here are some great websites you should find helpful:

- a) [Basic Chemistry](#)
- b) [UNC-Chapel Hill Chemistry Fundamentals](#)
- c) [Basic Chemistry](#)
- d) [Chemtutor](#) (note the linkable categories above 'atomic structure')
- e) [Basic Chemistry for Understanding Biology](#)
- d) WebElements [Periodic Table](#)