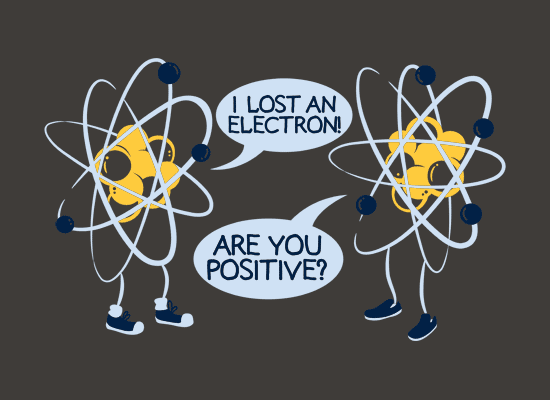
**10 Quick Questions**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How would you define the “mass number” of an atom?
2. How would you define the “atomic number” of an atom?
3. Calcium has the atomic number 20, What is its electron configuration?
4. What type of ion do metals form? (Name and Charge)
5. What is the difference between molecular compounds and ionic compounds? (Think of as many things as you can)
6. Why are the “noble gases” so unreactive?
7. Why do we make metal alloys?
8. Complete the following:
   1. Calcium + Oxygen 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Sodium + Water 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Complete the following balanced chemical equations
   1. Ca + O2 🡪 \_\_\_\_\_\_\_\_\_\_\_
   2. Na + H2O 🡪 \_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_
10. Define the term “isotope”.