

8.2 Review Questions

The answers to some of these questions, you will not find in the text. You are expected to look them up in another resource, or it was probably mentioned in class. It is expected that you know things like the most abundant element in our atmosphere (if you don't, look it up!).

1. This element is looking for three valence electrons and will usually share them when it bonds. It is also the most abundant element in the earth's atmosphere.

A. What is it?

B. What period is it in?

2. This family contains seven valence electrons and is never found free in nature, what is the name of the family and state three uses of its compounds?

3. The most abundant element in the earth's crust is also very reactive what is it?

4. What two ions when combined are known as common table salt? How reactive are these elements?

5. Calcium reacts with Chlorine relatively mildly. It will always react 1:2. How would Magnesium react with Chlorine? How about Barium?

6. Which element will react with chlorine with the most vigor?

H, Li, Na, K, Rb, Cs, Fr

7. How are metals different than non-metals?

8. For each pair of elements below state:

A- Which is bigger?

B- Which has the greater electron affinity?

C- Which has the lower ionization energy?

D- the number of shells each has

E- Which is heavier?

a. H and He

c. Co and Ni

e. P and Sb

g. Ne and Ar

b. Cs and Ba

d. Si and Ge.

f. Cl and Br

h. La and Ce