

Key

1) (2 pts) How many valence electro does phosphorus (P) have?

5

2) (2 pts) What is the valence of Nitrogen (N)?

3

3) (6 pts) Place a circle around the more electronegative element in each of the following pairs.

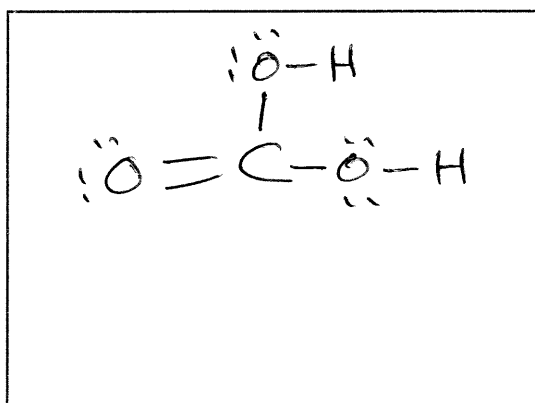
a) O or S

b) Cs or Rb

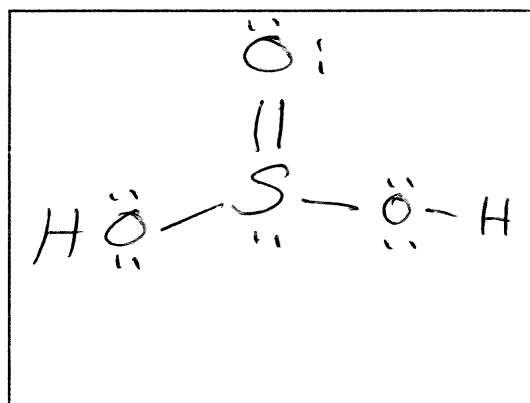
c) Cl or Br

4) (6 pts) Draw a Lewis dot formula for the following compounds.

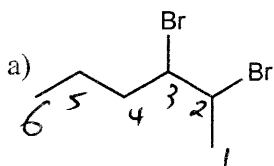
a) H_2CO_3



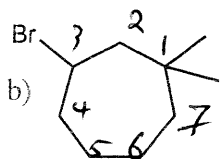
b) H_2SO_3



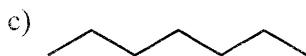
5) (9 pts) Provide the IUPAC for the following compounds.



2,3-Dibromohexane



3-bromo-1,1-dimethylcycloheptane



heptane