

Nomenclature Practice 1.2

Name: key
Period:

Write the names of the following chemical compounds:

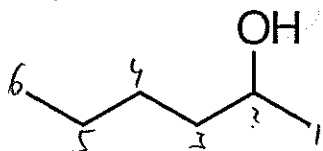
- 1) IO_2 iodine dioxide
- 2) VO_2 vanadium(IV) oxide
- 3) PbS lead(II) sulfide
- 4) CH_4 methane
- 5) N_2O_3 dinitrogen trioxide

For each of the following questions, determine whether the compound is ionic or covalent and write the appropriate formula for it.

- 6) phosphorus trifluoride PF_3
- 7) vanadium (V) oxide V_2O_5
- 8) aluminum hydroxide $\text{Al}(\text{OH})_3$
- 9) zinc sulfide ZnS
- 10) silicon tetrafluoride SiF_4
- 11) silver phosphate Ag_3PO_4

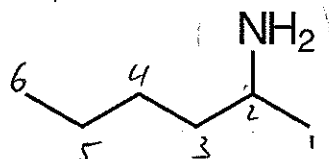
Write the name of each of the following organic compounds:

12)



2-Hexanol or Hexan-2-ol

13)



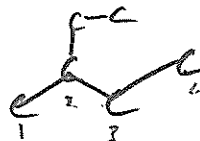
2-hexyl amine

14)



Draw the structures for the following organic molecules:

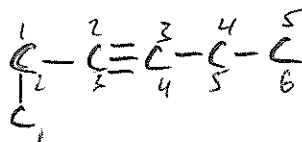
15.a) 2-ethyl butane



15.b) Is there anything wrong with the name given in 15.a?

Yes should be 3-methyl pentane

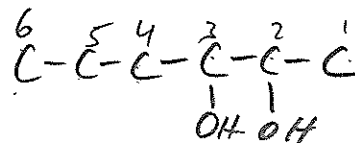
16.a) 1-methyl pent-2-yne



16.b) Is there anything wrong with the name given in 16.a?

Yes should be hex-3-yne

17.a) hexan-2,3-diol



17.b) Is there anything wrong with the name given in 17.a?

No