Name_____   Period_____

Organic Nomenclature #1

Name the following molecules:

1.
$$-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-$$

2.
$$-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-OH$$

3.
$$-\overset{|}{\underset{|}{C}}-Br$$

4. (cyclopropane ring structure)

5.
$$-\overset{|}{\underset{|}{C}}-\overset{\overset{Br}{|}}{\underset{\underset{Br}{|}}{C}}-\overset{|}{\underset{|}{C}}-$$

6.
$$-\overset{|}{\underset{|}{C}}-\overset{\overset{O}{\|}}{C}-H$$

7.
$$-\overset{|}{\underset{|}{C}}-\overset{\overset{O}{\|}}{C}-\overset{|}{\underset{|}{C}}-$$

8.
$$-\overset{|}{\underset{|}{C}}-OH$$

9.
$$-\overset{|}{\underset{|}{C}}-\overset{\overset{O}{\|}}{C}-OH$$

10.
$$-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-O-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-$$

11.
$$-\overset{|}{\underset{|}{C}}-O-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}-$$

12.
$$-\overset{|}{\underset{|}{C}}-\overset{\overset{O}{\|}}{C}-O-\overset{|}{\underset{|}{C}}-$$

13.
$$-\overset{|}{\underset{|}{C}}-NH_2$$

14. (C=C alkene structure)

15. (C=C with H, Cl substituents)

16.
$$-C-C-C-C-C-H$$
with $=O$ on the last C before H (aldehyde)

17.
$$-C-C-C-$$
with OH on the middle C

18.
$$Cl-C-Cl$$
with Cl above and Cl below

19.
$$-C-C-C-C-C-C-$$
with $=O$ on the third C

20.
$$H-C-H$$
with $=O$ on the C

21.
$$-C-C-$$

22.
$$-C-C-C-C-$$

23.
$$-C-C-C-C-OH$$

24.
$$-C\equiv C-$$

25.
$$-C-C-C-C-C-$$

26.
$$-C\equiv C-C-C-$$

27.
$$-C-C-C-SH$$

28.
Br attached to a benzene ring (with substituent lines)

29.
$$H_2N-C-C-OH$$
with H above and H below the first C, and $=O$ on the second C

30.
A branched carbon skeleton:
$$C-C-C-C-C-C-C$$
with branches: $C-C$ on one carbon, $C-C$ (then C) on another, and C below