問１　次の化学英語を和訳せよ。

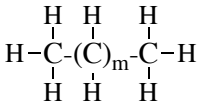
(1) oxide	(2) experiment	(3) impurity	(4) electron	(5) flask
(6) substituent	(7) acidity	(8) protonation	(9) covalent bond	(10) distillation

問２　次の英文を和訳せよ。

(1) A carbon atom can form bonds to a maximum of four other atoms; these can be either carbon atoms or atoms of other elements.

(2) In these compounds, each carbon atom is bound to four atoms in a tetrahedral fashion.

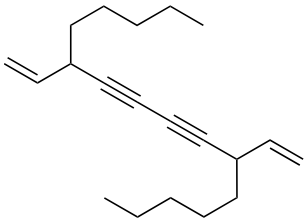
(3) We will discuss these molecules in detail in the next section.

(4) The normal alkane can be represented by the structure  where *m* is an integer.

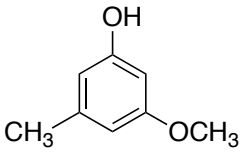
(5) Note that all alkanes can be represented by the general formula C_nH_{2n+2}, where *n* represents the number of carbon atoms.

問３　次の化合物を英語で命名せよ。ただし、特性基が主基となるための順位は、カルボン酸＞エステル＞アルデヒド＞ケトン＞アルコール＞チオール＞アミンの順である。

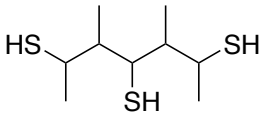
(1)



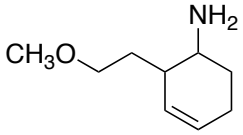
(2)



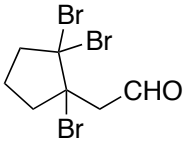
(3)



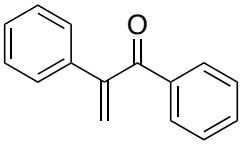
(4)



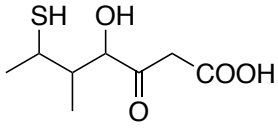
(5)



(6)



(7)



問4　次の名前の化合物の構造を記せ。

1-(4-amino-4-methylcyclohex-1-enyl)- 3-(3-ethynyl-4-propylhex-4-enyl)-6-(1-phenoxycyclopenta-2,4-dienyl)-naphthalen-2-ol