

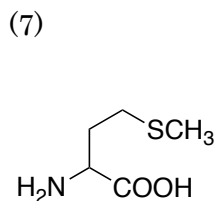
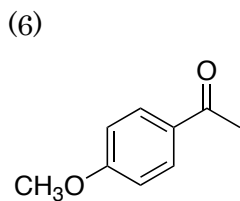
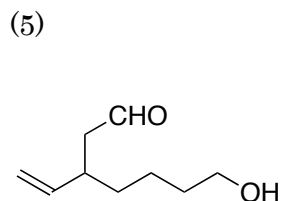
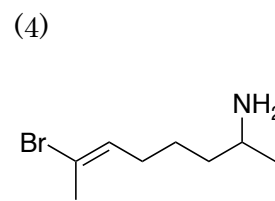
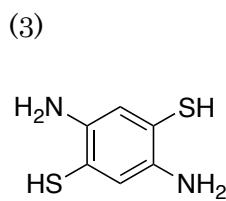
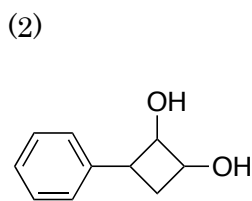
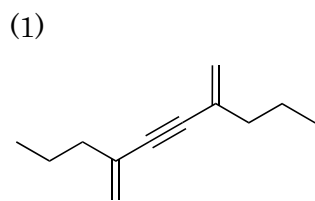
問1 次の化学英語を和訳せよ。

- (1) thermodynamics (2) neutralization (3) solution (4) main chain (5) impurity
(6) nucleophile (7) reactant (8) separation (9) crystal (10) synthesis

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) Hydrocarbons containing carbon-carbon multiple bonds are described as being unsaturated, because the carbon atoms involved in a multiple bond can bond to one or more additional atoms.
(3) We can condense the structural formulas by omitting some of the C-H bonds.
(4) Give the formulas for the normal (or straight-chain) alkanes with six and eight carbon atoms.
(5) That is, the molecules have the same formulas but different arrangements of the atoms.
(6) When a group is substituted for a hydrogen on an alkane chain, we call this group a substituent.

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。



問4 次の名前の化合物の構造を記せ。

2-(4-cyclohexa-2,5-dienylbuta-1,3-diyne)-6-(3-cyclopent-1-enyl-2-methylbuta-1,3-dienyl)naphthalene-1,3-diol