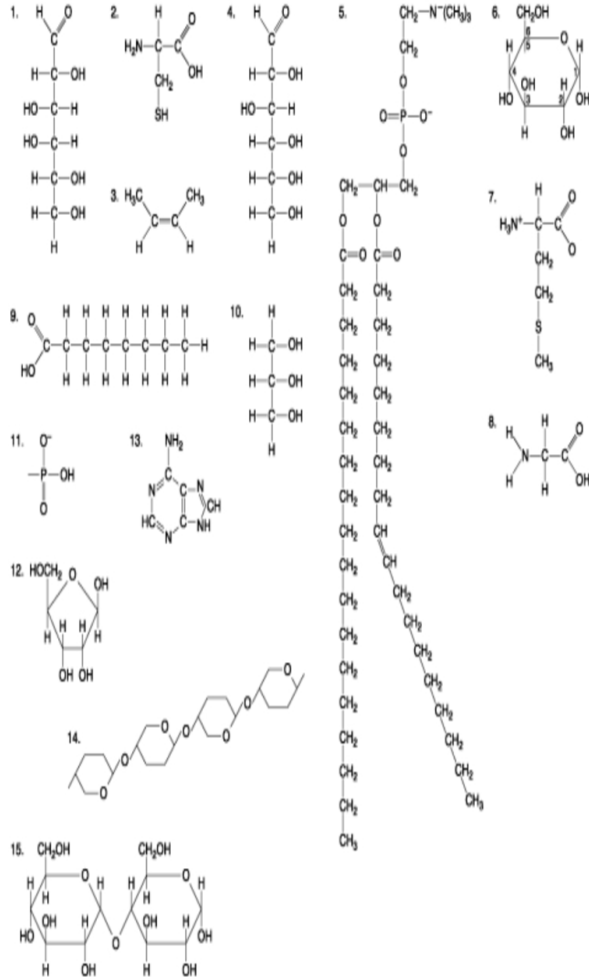


### Macromolecule Worksheet (Ch. 5)

The following questions are based on the 15 molecules illustrated below. Each molecule may be used once, more than once, or not at all.



- Which of the following molecules are structural isomers?
  - 1 and 4
  - 5 and 14
  - 6 and 12
  - 12 and 13
  - 14 and 15
- Which of the following combinations could be linked together to form a nucleotide?
  - 1, 2, and 11
  - 3, 7, and 8
  - 5, 9, and 10
  - 11, 12, and 13
  - 12, 14, and 15
- Which of the following molecules contain(s) an aldehyde type of carbonyl functional group?
  - 1
  - 4
  - 8
  - 10
  - 1 and 4
- Which of the following molecules is (are) a carbohydrate?
  - 1 and 4
  - 6
  - 12
  - 5 and 14
  - all of the above
- Which of the following molecules is a saturated fatty acid?
  - 1
  - 5
  - 6
  - 8
  - 9
- Which of the following molecules is a purine type of nitrogenous base?
  - 2
  - 3
  - 5
  - 12
  - 13
- Which of the following molecules act as building blocks (monomers) of polypeptides?
  - 1, 4, and 6
  - 2, 7, and 8
  - 7, 8, and 13
  - 11, 12, and 13
  - 12, 13, and 15