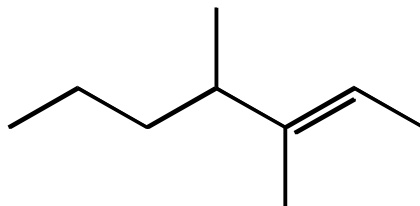


Common Mistakes in Problem Set #4

Nomenclature



WRONG ANSWERS:

3,4-dimethyl-2E-heptene : need to designate E in parentheses in the front of the name

(E)3,4-dimethyl-2-heptene : need a hyphen between (E) and the following numbers

(4S, 2E)-3,4-dimethyl-2-heptene : if it is impossible designate a chiral center R or S (Carbon 4 does not have a wedge or dash), then don't assign it with a chiral designation.

Correct answer!

(E)-3,4-dimethyl-2-heptene