

Übung: Nomenklatur der Alkene

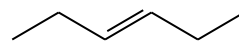
Die auf diesem Übungsblatt aufgeführten Skelettformeln sind mit den jeweils systematischen Namen angeschrieben. Alle dabei wichtigen Regeln zur Benennung von Alkenen kommen in diesen Beispielen vor. Versuchen Sie, die Regeln zu finden und bei den Aufgaben anzuwenden. Anschliessend vergleichen Sie ihre Nomenklaturregeln mit denen im Buch.



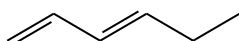
1-Hexen



2-Hexen



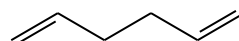
3-Hexen



1,3-Hexadien



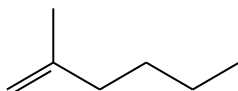
1,4-Hexadien



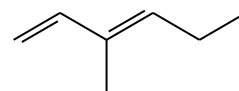
1,5-Hexadien



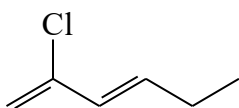
1,3,5-Hexatrien



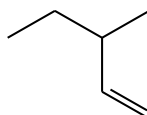
2-Methyl-1-hexen



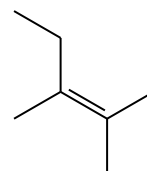
3-Methyl-1,3-hexadien



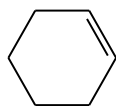
2-Chlor-1,3-hexadien



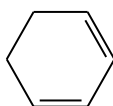
3-Methyl-1-penten



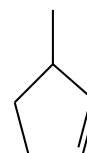
2,3-Dimethyl-2-penten



Cyclohexen

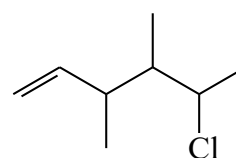
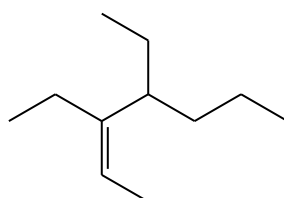
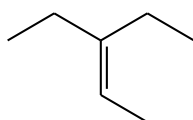
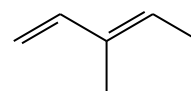
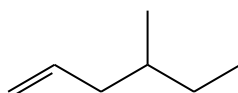
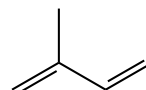
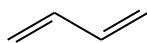
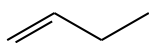


1,3-Cyclohexadien

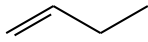


1-Methyl-2-cyclopenten

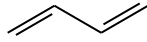
Gesucht sind die Namen folgender Verbindungen:



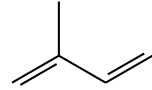
Lösungen zu den Aufgaben:



1-Buten



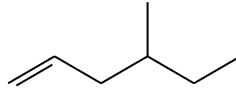
1,3-Butadien



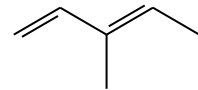
2-Methyl-1,3-butadien



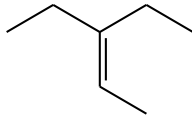
1-Hexen



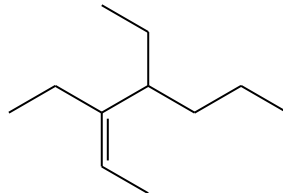
4-Methyl-1-hexen



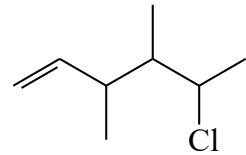
3-Methyl-1,3-pentadien



3-Ethyl-2-penten



3,4-Diethyl-2-hepten



5-Chlor-3,4-dimethyl-1-hexen