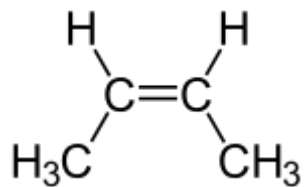


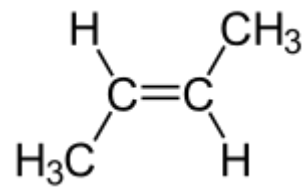
Answer on Question #52178 – Chemistry | Organic Chemistry

Write the cis – and – trans – isomers of 2-butene and classify them as E or Z isomers. Which of them will have higher dipole moment?

Solution:



cis-2-butene ((Z)-2-butene)



trans-2-butene ((E)-2-butene)

cis-2-butene has higher dipole moment (0,33 Debyes) than trans-2-butene (0 Debyes).