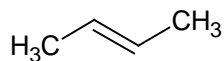


gridlocks – can you unlock the grid?

Isomers of (E)-but-2-ene

(E)-but-2-ene has the structure:



Before you answer the gridlocks below fill in the table of different types of isomer of (E)-but-2-ene using:

positional	methylpropene	functional	but-1-ene
name	type of isomerism		structure
(Z)-but-2-ene	geometric		
	branched		
cyclobutane			

Gridlock 1

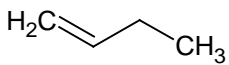
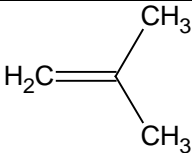
Each row, column and 2 x 2 box contains information about the four isomers listed above. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		type of isomerism	
(Z)-but-2-ene			positional
			cyclobutane
branched			
type of isomerism		name	

gridlocks – can you unlock the grid?

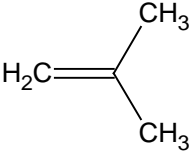
Gridlock 2

Each row, column and 2 x 2 box contains information about each of the four isomers in the table.

type of isomerism		structure	
geometric			
			functional
structure		type of isomerism	

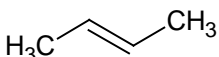
Gridlock 3

Each row, column and 2 x 2 box contains information about each of the four isomers in the table.

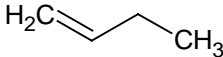
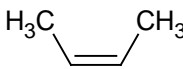
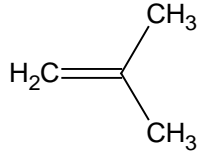

name		type of isomerism	
(Z)-but-2-ene			
		functional	
		but 1-ene	
			
structure		name	

gridlocks – can you unlock the grid?

Isomers of (E)-but-2-ene – answers

(E)-but-2-ene has the structure: 

Before you answer the gridlocks below fill in the table of different types of isomer of (E)-but-2-ene using:

positional	methyl propene	functional	but-1-ene
name	type of isomerism		structure
but-1-ene	positional		
(Z)-but-2-ene	geometric		
methylpropene	branched		
cyclobutane	functional		

Gridlock 1 – answers

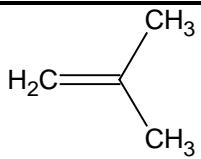
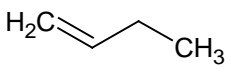
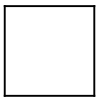
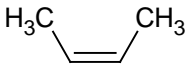
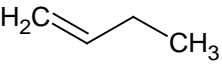
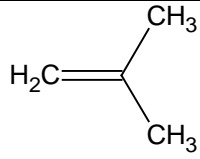
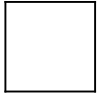
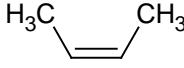
Each row, column and 2 x 2 box contains information about the four isomers listed above. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

name		type of isomerism	
(Z)-but-2-ene	methylpropene	functional	positional
cyclobutane	but-1-ene	geometric	branched
positional	geometric	methylpropene	cyclobutane
branched	functional	but-1-ene	(Z)-but-2-ene
type of isomerism		name	

gridlocks – can you unlock the grid?

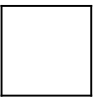
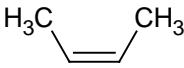
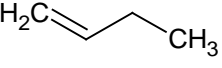
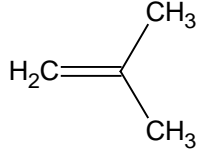
Gridlock 2 – answers

Each row, column and 2 x 2 box contains information about each of the four isomers in the table.

type of isomerism		structure	
geometric	functional		
branched	positional		
		geometric	functional
		positional	branched
structure		type of isomerism	

Gridlock 3 – answers

Each row, column and 2 x 2 box contains information about each of the four isomers in the table.

name		type of isomerism	
(Z)-but-2-ene	cyclobutane	branched	positional
methylpropene	but-1-ene	functional	geometric
		but-1-ene	methylpropene
		(Z)-but-2-ene	cyclobutane
structure		name	