

Questions

1. For two molecules to be isomers of each other, what property must be the same? (a) Melting Point (b) Molecular formula (c) Functional groups (d) Structure
2. How many structural isomers does the following refcode contain? (JAYDUI)
3. Draw all of the isomers of the following refcodes: (a) PENTAN01 (b) HEPTAN02
4. Draw all of the positional isomers for the CN functional group in the following refcode: BITVUV
5. Draw two isomers for the following molecular formula: C_3H_6O . What type of isomers are these?

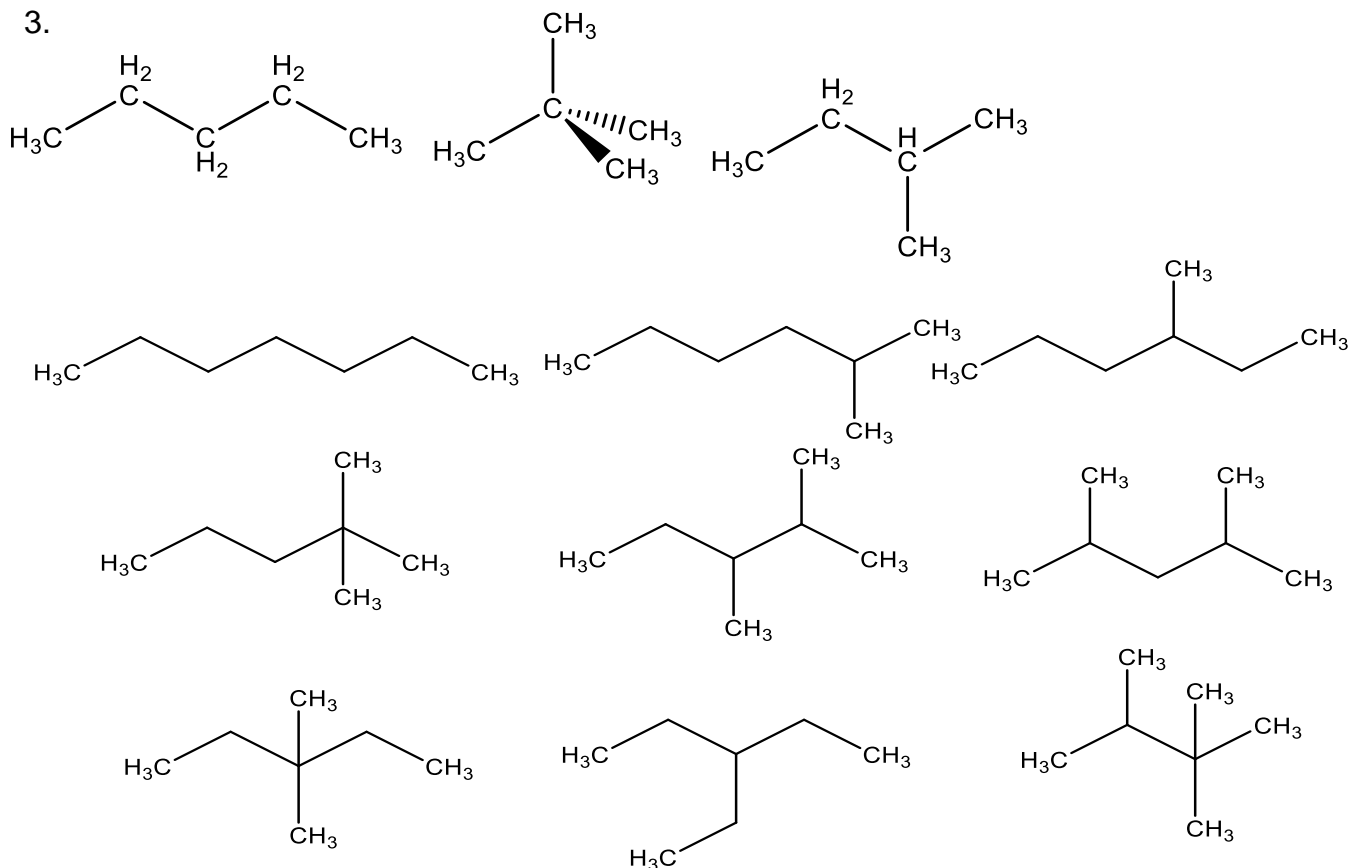
D2-Structural Isomers Worksheet

Answers

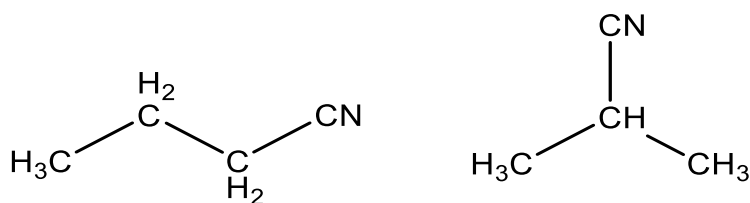
1. (b) Isomers have the same **Molecular Formula** but have different structures and functional groups

2. 0 because there are only 3 carbons so only one structure can be made

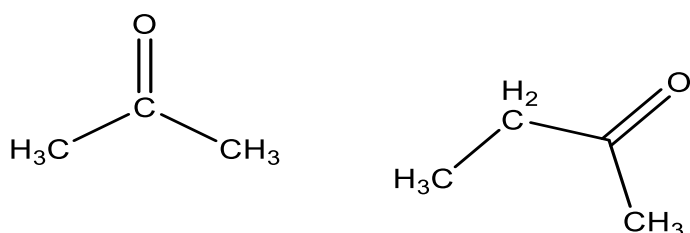
3.



4.



5.



They are functional group isomers. They have the same molecular formula with different functional groups.