Aromatic Hydrocarbons and Isomers - Worksheet -ANSWERS

Chemical structure

1 a

16

2 m

2/b

3

4

-5

Consider the following structure representing a benzene molecule substituted with a number of different groups. (A, B, C, D, E and F

IUPAC Name

1, 2, 4-trichlorobenzene

1,2,3-trinitrobenzene

2-mitrotoluene

Of

1-methyl-2-mtrobenzene

o pritrotolica

o-mitrotoluene

2, 3, 4, 5-tetrachlorophenol

OST .

2, 3, 4, 5-tetrachloro-1-hydroxybenzene

p-nitrophenol

2,3-dibromo-5-chloro-1-nitrobenzene

State whether the following pairs of groups are ortho, meta or para to each other

- a) B&D meta
- b) F&C para c) E&F ortho
- d) A & C meta e) B & E para
- f) F & B meta
- g) B & C ortho h) F & A ortho
- i) E & C meta

Sgfcm Hydrocarbons Answers

Didier Musso

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