

ASHAOLU JOSEPH

17/msh01/064

Mbbs

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A. C_8H_9

B. -Organic compounds are important because we use them as fuel.

-They are important because they are used to make medicine.

-They are important because they are used to make insecticide.

C. Homocyclic

They have 100% carbon in their ring.

They are divided into aromatic and alicyclic.

Heterocyclic

They have mainly carbon and in addition to hetero atoms in their rings.

They are subdivided into cyclic aromatic and Heterocyclic.

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$$\begin{aligned} \text{A. RF of first band} &= 2.4/12.2 \\ &= 0.2 \end{aligned}$$

$$\begin{aligned} \text{RF of second band} &= 5.6/12.2 \\ &= 0.5 \end{aligned}$$

$$\begin{aligned} \text{RF of third band} &= 8.9/12.2 \\ &= 0.7 \end{aligned}$$

B. A belongs to the alkanal family.

B belongs to the alkene family.

C. It is employed in the test for alkanals and alkanones.

D. 1. Alkene- ethene and propene

2. Alkyne- ethyne and butyne

3. Halide- bromopropane and chlorobutane

4. NO₂- nitro pentane and

nitro butane

5. Carboxyl group- butanoic and pentanoic acids

6. Hydroxyl group- ethanol and pentanol

7. Alkanal- butanal and pentanal