

Answer on Question #61499 - Chemistry - Other

Task 4:

Which statement about benzene is correct?

- a) Benzene is an isomer of cyclohexane
- b) The ratio of carbon to hydrogen atoms in benzene is the same as in ethyne
- c) Benzene reacts with bromine solution as if it is saturated
- d) Benzene undergoes addition reaction more readily than hexene.

Answer 4: b) The ratio of carbon to hydrogen atoms in benzene is the same as in ethyne

Task 5:

Which of the following condensed formulae is accurate for 2,2-dimethylbutane?

- a) $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}_3$
- b) $\text{CH}_3\text{C}(\text{CH}_3)\text{CH}_2\text{CH}_3$
- c) $\text{CH}_3(\text{CH}_3)_2\text{CH}_2\text{CH}_3$
- d) $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}_3$

Answer 5: a) and d) $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}_3$

Task 6:

Which of these compounds is a saturated hydrocarbon?

- a) Ethene
- b) Ethane
- c) Ethyne
- d) Ethanol

Answer 6: b) Ethane and d) Ethanol