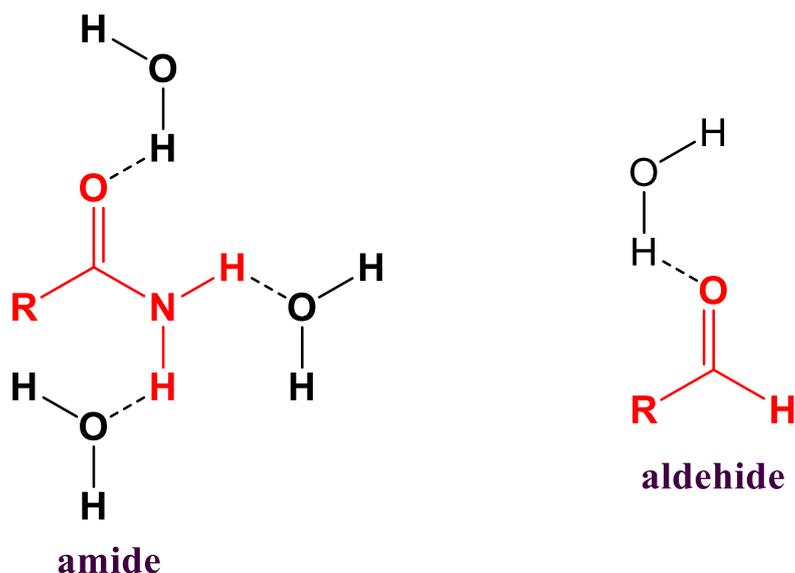


Answer on Question#64556 – Chemistry – Organic chemistry

Question: Which is more soluble in water with the same number of carbons? aldehydes at terminal or amides at terminal of the molecule?

Answer:

Amides are more soluble in water than aldehydes with the same number of carbons, because an amide group is more polar than a carbonyl group and water is the polar solvent. Like dissolves like. In addition, amides form more hydrogen bonds with water molecules.



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