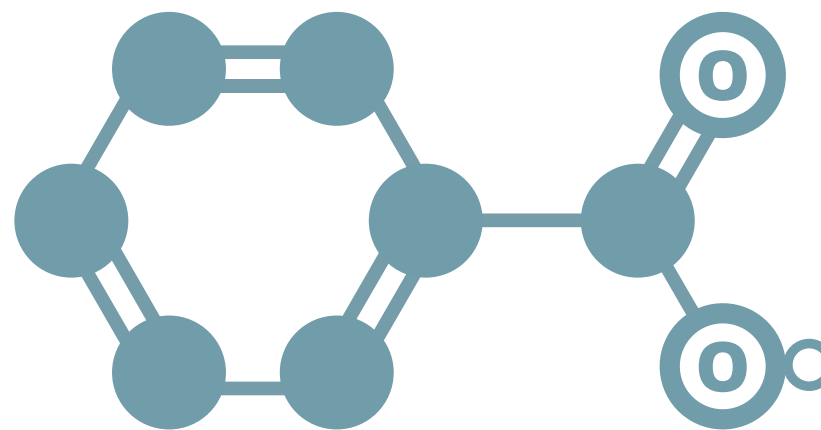


CHEMISTRY ADVENT 11

SNOW GLOBE CHEMISTRY



BENZOIC ACID

Solubility (25°C): 3.44 grams per litre

Solubility (100°C): 56.3 grams per litre

● Carbon ⊙ Oxygen ○ Hydrogen

Hydrogens on carbon atoms implied; each carbon has 4 bonds.

Benzoic acid can be used to make the 'snow' in snow globes. It's quite soluble in hot water, but isn't very soluble in room temperature water. When dissolved in hot water, as the water cools down it precipitates out of solution and forms snow-like flakes.

