

Solubility Rule Practice

State if soluble (S) or insoluble (I) and give the rule number or numbers that you can use to make this determination.

NaNO_3	S (1, 4)	AgNO_3
$\text{Ca}(\text{NO}_3)_2$	S (4)	HgCl_2
CaS	S (8)	Tl_2S
CaSO_4	I (7)	PbSO_4
CaCl_2		$\text{Ba}(\text{OH})_2$
$\text{Sr}(\text{OH})_2$		$\text{Fe}(\text{OH})_3$
CuCl_2		$\text{Sc}(\text{NO}_3)_3$
Ag_2SO_4		NH_4Cl
Au_2S_3		H_2SO_3
$\text{Au}(\text{OH})_3$		H_2S
$(\text{NH}_4)_3\text{PO}_4$		AgBr
$\text{Cr}(\text{SO}_3)_3$		$(\text{NH}_4)_2\text{SO}_4$
K_2CO_3		CuCl