

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	S (4)
$\text{Ca}(\text{NO}_3)_2$	S (4)	HgCl_2	S (6)
CaS	S (8)	Tl_2S	I (8)
CaSO_4	I (7)	PbSO_4	I (7)
CaCl_2	S (6)	$\text{Ba}(\text{OH})_2$	S (9)
$\text{Sr}(\text{OH})_2$	S (9)	$\text{Fe}(\text{OH})_3$	I (9)
CuCl_2	S (6)	$\text{Sc}(\text{NO}_3)_3$	S (4)
Ag_2SO_4	I (7)	NH_4Cl	S (3, 6)
Au_2S_3	I (8)	H_2SO_3	S (2, 10)
$\text{Au}(\text{OH})_3$	I (9)	H_2S	S (2, 8)
$(\text{NH}_4)_3\text{PO}_4$	S (3, 10)	AgBr	I (6)
$\text{Cr}(\text{SO}_3)_3$	I (10)	$(\text{NH}_4)_2\text{SO}_4$	S (3, 7)
K_2CO_3	S (1, 10)	CuCl	I (6)