Noming Asida	Noming Asida	Noming Asida
Naming Acids	<u>Naming Acius</u>	<u>Naming Acius</u>
Hydrogen + highly electronegative element 1) Begins with hydro 2) Add the root of the other element 3) Add –ic 4) + acid	 Hydrogen + highly electronegative element Begins with hydro Add the root of the other element Add -ic + acid 	 Hydrogen + highly electronegative element Begins with hydro Add the root of the other element Add -ic + acid
HBr - Hydrobromic acid HCl - Hydrochloric acid HI - Hydroiodic acid	HBr - Hydrobromic acid HCl - Hydrochloric acid HI - Hydroiodic acid	HBr - Hydrobromic acid HCl - Hydrochloric acid HI - Hydroiodic acid
 <u>Oxyacids:</u> Hydrogen + oxygen + a third element Begins with Root of ion (not H or O) (sometimes starts with peror hypo-) Add -ic, or -ous + acid 	 <u>Oxyacids:</u> Hydrogen + oxygen + a third element 1) Begins with Root of ion (not H or O) (sometimes starts with per- or hypo-) 2) Add -ic, or -ous 3) + acid 	 <u>Oxyacids:</u> Hydrogen + oxygen + a third element 1) Begins with Root of ion (not H or O) (sometimes starts with per- or hypo-) 2) Add -ic, or -ous 3) + acid
Names change a little depending on how many oxygens the anion comes with Anion ends with -ate → change ending to -ic Anion ends with -ite → change ending to -ous Anion has extra O than -ate → start with Per - Anion has fewer O than -ite → start with Hypo -	Names change a little depending on how many oxygens the anion comes with Anion ends with -ate → change ending to -ic Anion ends with -ite → change ending to -ous Anion has extra O than -ate → start with Per - Anion has fewer O than -ite → start with Hypo -	Names change a little depending on how many oxygens the anion comes with Anion ends with -ate \rightarrow change ending to -ic Anion ends with -ite \rightarrow change ending to -ous Anion has extra O than -ate \rightarrow start with Per - Anion has fewer O than -ite \rightarrow start with Hypo -
CIO^- less O version \rightarrow Hypochlorous Acid CIO_2^- -ic version \rightarrow Chlorous Acid CIO_3^- -ate version \rightarrow Chloric Acid CIO_4^- more O version \rightarrow Perchloric Acid	CIO^- less O version \rightarrow Hypochlorous Acid CIO_2^- -ic version \rightarrow Chlorous Acid CIO_3^- -ate version \rightarrow Chloric Acid CIO_4^- more O version \rightarrow Perchloric Acid	CIO ⁻ less O version→ Hypochlorous AcidCIO ₂ ⁻ -ic version→ Chlorous AcidCIO ₃ ⁻ -ate version→ Chloric AcidCIO ₄ ⁻ more O version→ Perchloric Acid
7 Strong Acids	7 Strong Acids	7 Strong Acids
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	1) HCI – Hydrochloric Acid 2) HBr – Hydrobromic Acid 3) HI – Hydriodic Acid 4) H_2SO_4 – Sulfuric Acid 5) HNO ₃ – Nitric Acid 6) HCIO ₄ – Perchloric Acid 7) HCIO ₃ – Chloric Acid	$ \begin{array}{llllllllllllllllllllllllllllllllllll$
<u>8 Strong Bases</u>	<u>8 Strong Bases</u>	<u>8 Strong Bases</u>
1) LiOH – Lithium Hydroxide (2) NaOH – Sodium Hydroxide (3) KOH – Potassium Hydroxide (4) RbOH –Rubidium Hydroxide (5) CsOH – Cesium Hydroxide6) Ca(OH) ₂ – Calcium Hydroxide (7) Sr(OH) ₂ – Strontium Hydroxide (8) Ba(OH) ₂ – Barium Hydroxide (8) Ba(OH) ₂ – M-47	1) LiOH - Lithium Hydroxide 2) NaOH - Sodium Hydroxide 3) KOH - Potassium Hydroxide 4) RbOH - Rubidium Hydroxide 5) CsOH - Cesium Hydroxide6) Ca $(OH)_2$ - Calcium Hydroxide 7) Sr $(OH)_2$ - Strontium Hydroxide 8) Ba $(OH)_2$ - Barium Hydroxide 8) Ba $(OH)_2$ - Barium Hydroxide 8) Ba $(OH)_2$ - M-47	1) LiOH – Lithium Hydroxide 2) NaOH – Sodium Hydroxide 3) KOH – Potassium Hydroxide 4) RbOH – Rubidium Hydroxide 5) CsOH – Cesium Hydroxide6) Ca(OH)_2 – Calcium Hydroxide 7) Sr(OH)_2 – Strontium Hydroxide 8) Ba(OH)_2 – Barium Hydroxide 8) Ba(OH)_2 – Barium Hydroxide 8) Ba(OH)_2 – Kalcium Hydroxi