

Polyatomic ion su-chem-du

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|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|
| | NO_3^- | | | CN^- | | | OH^- | |
| MnO_4^- | | | CO_3^{2-} | | NH_4^+ | | | NO_3^- |
| | | CN^- | | | | MnO_4^- | | |
| | NH_4^+ | | | MnO_4^- | | | CO_3^{2-} | |
| CN^- | | | SO_4^{2-} | | PO_4^{3-} | | | OH^- |
| | PO_4^{3-} | | | NO_3^- | | | CN^- | |
| | | SO_4^{2-} | | | | CO_3^{2-} | | |
| CO_3^{2-} | | | NO_3^- | | OH^- | | | CrO_4^- |
| | CrO_4^- | | | PO_4^{3-} | | | NH_4^+ | |

Here is a su-chem-du to keep your students challenged while memorizing polyatomic ions. Hopefully it is more fun than having them write out each polyatomic ion nine times – although it might drive them a little crazy. Students can write out the ions below beside the correct name.

Polyatomic ions in the su-chem-du puzzle

ammonium _____

carbonate _____

chromate _____

cyanide _____

hydroxide _____

nitrate _____

permanganate _____

phosphate _____

sulfate _____

[JLH]

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