

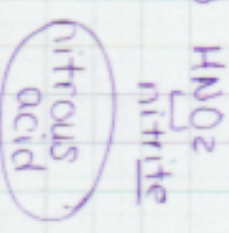
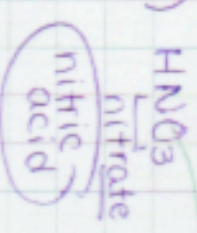
## Writing Names Is "H" the element in the compound?

Does it have a polyatomic ion w/ oxygen in it?

Yes

It's an oxyacid.

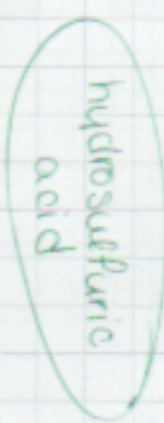
- Look at the polyatomic ion:
- If the name ends in -ate, change it to -ic acid
- If the name ends in -ite, change it to -ous acid



No

It's a binary acid.

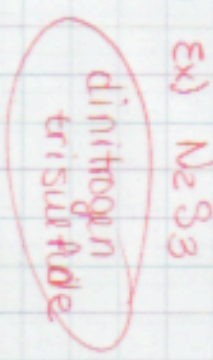
- Write hydro
- Write 2<sup>nd</sup> element's name, change ending to -ic acid



No

It's type III.

- Write name of 1<sup>st</sup> element
- Write subscript as a prefix
- Write name of 2<sup>nd</sup> element, change end to -ide
- Write subscript as a prefix.



Does it have a metal in it?

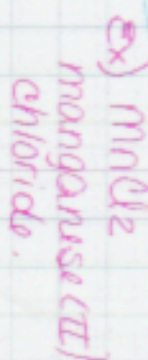
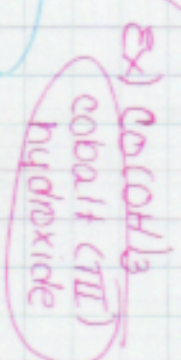
No

Is it a transition metal?

Yes

It's type II

- Write name of 1<sup>st</sup> element.
- Write original charge of metal as a Roman numeral
- Write name of negative ion



It's type I

- Write name of 1<sup>st</sup> element
- Write name of negative anion.
- If it is binary, change ending to -ide
- If it is a polyatomic ion, just write the name.

