

7. Molybdenum, Mo, is present in each of the following species: MoO_2 $\text{Mo}_2\text{O}_7^{2-}$ HMoO_4^{2-}
Which of the following lists these species in order of **increasing** oxidation number of molybdenum?

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|-----|------------------------------|----------------------|------------------------------|
| (a) | HMoO_4^{2-} | MoO_2 | $\text{Mo}_2\text{O}_7^{2-}$ |
| (b) | $\text{Mo}_2\text{O}_7^{2-}$ | HMoO_4^{2-} | MoO_2 |
| (c) | $\text{Mo}_2\text{O}_7^{2-}$ | MoO_2 | HMoO_4^{2-} |
| (d) | MoO_2 | HMoO_4^{2-} | $\text{Mo}_2\text{O}_7^{2-}$ |