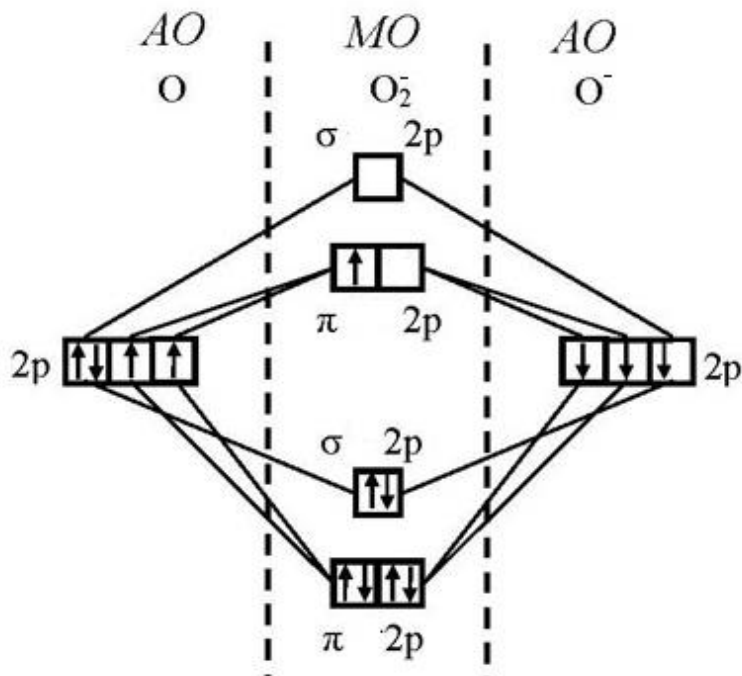


Calculate the no. of unpaired electrons in  $\text{O}_2^-$  and  $\text{O}_2^{2-}$  ions by drawing molecular orbital diagram.

**$\text{O}_2^-$  unpaired electrons =1**



**$\text{O}_2^{2-}$  unpaired electrons =0**

