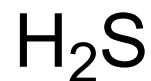
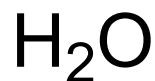


Which is the stronger acid? Explain briefly.



- A)  $\text{H}_2\text{O}$  is the stronger acid because  $\text{HO}^-$  is **more** stable than  $\text{HS}^-$ .
- B)  $\text{H}_2\text{O}$  is the stronger acid because  $\text{HO}^-$  is **less** stable than  $\text{HS}^-$ .
- C)  $\text{H}_2\text{S}$  is the stronger acid because  $\text{HS}^-$  is **more** stable than  $\text{HO}^-$ .
- D)  $\text{H}_2\text{S}$  is the stronger acid because  $\text{HS}^-$  is **less** stable than  $\text{HO}^-$ .
- E) It's impossible to predict acid strength without  $\text{pK}_a$  data.