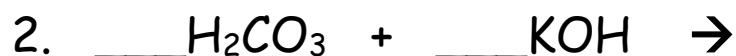




Examples - complete and balance the following neutralization reactions



\*special reaction

- an acid can be neutralized by a carbonate, products include  $\text{CO}_{2(g)}$
- this is stomach acid and Alka Seltzer, why does it makes you burp
- similarly a carbonate can be dissolved by an acid (marble statues dissolved by acid rain, egg shell in vinegar)

**Write balanced equations for these neutralization reactions:**

5. hydrochloric acid (hydrogen chloride) and sodium hydroxide

6. sulfuric acid (hydrogen sulfate) and potassium hydroxide