

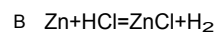
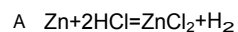
Egyenletek 2.

Osztályzat: «grade»

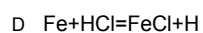
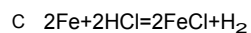
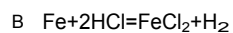
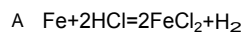
Tárgy: Kémia

Dátum: «date»

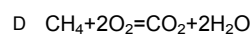
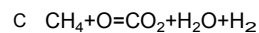
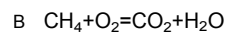
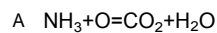
1 cink reakciója sósavval



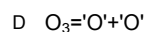
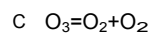
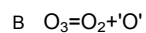
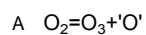
2 a vas és a sósav reakciója



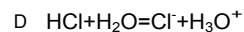
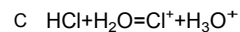
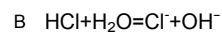
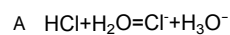
3 a metán égése



4 az ózon bomlása



5 a hidrogén-klorid oldódása vízben



6 ammónia oldódása vízben

- A $\text{NH}_3 + \text{H}_2\text{O} = \text{NH}_4^+ + \text{OH}^-$
- B $\text{NH}_3 + \text{H}_2\text{O} = \text{NH}_4^- + \text{OH}^+$
- C $\text{NH}_3 + \text{H}_2\text{O} = \text{NH}_4^+ + \text{H}_3\text{O}^+$
- D $\text{NH}_3 + \text{H}_2\text{O} = \text{NH}_3^+ + \text{OH}^-$

7 2 vízmolekula kölcsönhatása (miért közömbös a víz?)

- A $\text{H}_2\text{O} + \text{H}_2\text{O} = \text{H}_3\text{O}^+ + \text{OH}^+$
- B $\text{H}_2\text{O} + \text{H}_2\text{O} = \text{H}_3\text{O}^- + \text{OH}^-$
- C $\text{H}_2\text{O} + \text{H}_2\text{O} = \text{H}_3\text{O}^- + \text{OH}^+$
- D $\text{H}_2\text{O} + \text{H}_2\text{O} = \text{H}_3\text{O}^+ + \text{OH}^-$

8 sósav közömbösítése nátrium-hidroxiddal

- A $\text{HCl} + \text{NaOH} = \text{HCl} + \text{H}_2\text{O}$
- B $\text{HCl} + \text{NaOH} = \text{NaCl} + \text{H}_2\text{O}$
- C $\text{HCl} + \text{NaOH} = \text{NaCl} + \text{H}_3\text{O}^+$
- D $\text{HCl} + \text{NaOH} = \text{NaCl} + \text{OH}^-$

9 a kén-dioxid és a víz reakciója

- A $\text{SO}_2 + \text{H}_2\text{O} = \text{H}_2\text{SO}_3 + \text{H}_2$
- B $\text{SO}_3 + \text{H}_2\text{O} = \text{H}_2\text{SO}_4$
- C $\text{SO}_2 + \text{H}_2\text{O} = \text{H}_2\text{SO}_3$
- D $\text{SO}_3 + \text{H}_2\text{O} = \text{H}_2\text{SO}_3$

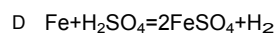
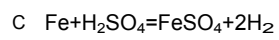
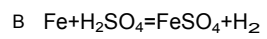
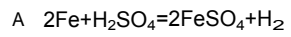
10 a kén-trioxid és a víz reakciója

- A $\text{SO}_2 + \text{H}_2\text{O} = \text{H}_2\text{SO}_4$
- B $\text{SO}_3 + \text{H}_2\text{O} = \text{H}_2\text{SO}_4 + \text{H}_2$
- C $\text{SO}_3 + \text{H}_2\text{O} = \text{H}_2\text{SO}_3$
- D $\text{SO}_3 + \text{H}_2\text{O} = \text{H}_2\text{SO}_4$

11 a kénsav oldódása vízben

- A $\text{H}_2\text{SO}_4 + 2\text{H}_2\text{O} = \text{SO}_4^{2-} + 2\text{H}_3\text{O}^+$
- B $\text{H}_2\text{SO}_4 + \text{H}_2\text{O} = \text{SO}_4^{2-} + \text{H}_3\text{O}^+$
- C $\text{H}_2\text{SO}_4 + 2\text{H}_2\text{O} = \text{SO}_4^{2-} + \text{H}_3\text{O}^+$
- D $\text{H}_2\text{SO}_4 + \text{H}_2\text{O} = \text{SO}_4^{2-} + 2\text{OH}^-$

12 a vas és a kénsav reakciója



13 a cink és a kénsav reakciója

