Balancing Worksheet #1

Please note that several of these equations are already balanced as written.

```
1 .
        H<sub>2</sub> + O<sub>2</sub> → H<sub>2</sub>O
 2 .
        S_8 + O_2 \rightarrow SO_3
  3.
        HgO → Hg + O2

    Zn + HCl → ZnCl<sub>2</sub> + H<sub>2</sub>

  5. Na + H_2O \rightarrow NaOH + H_2

 C<sub>10</sub>H<sub>16</sub> + Cl<sub>2</sub> → C + HCl

      S1<sub>2</sub>H<sub>3</sub> + O<sub>2</sub> →
 7 .
                                      S10.
                                                     H_2O
 8. Fe + O<sub>2</sub> → Fe<sub>2</sub>O<sub>3</sub>
        C2H6O2 + O2 - CO2 + H2O
  9 .
10.
        FeS_2 + O_2 \rightarrow Fe_2O_3 + SO_2
11. Fe<sub>2</sub>O<sub>3</sub> + H<sub>2</sub> → Fe +
                                                 H<sub>2</sub>O:
12. K +
                                 KEK
                    Brz -
13. C<sub>2</sub>H<sub>2</sub>
                  + 02 -
                                     CO2
                                                    H_2O
14. H<sub>2</sub>O<sub>2</sub>
                        H<sub>2</sub>O:
                                      Ob
                               - 4
                         02 -
15. C<sub>2</sub>H<sub>16</sub> +
                                        CO_2
                                                          H_2O
16. SiO<sub>2</sub> + HF -
                                   SIFA
                                                          H<sub>2</sub>O
17.
      KC1On
                 - KCl
                                    + 02
                 → KC1O<sub>4</sub> +
1.8 .
      RC1O3
19.
      P.O.0
                   + H<sub>2</sub>O
                                    → H<sub>3</sub>PO<sub>4</sub>
20.
                    O<sub>2</sub> ---
                                    Sb<sub>0</sub>O<sub>6</sub>
        Sb
21. CaHa
                      O2 -
                                   CO<sub>2</sub>
22.
                        CO
        Fe<sub>2</sub>O<sub>3</sub> +
                                                       CO2
                                   - Fe
                                       HCL
23.
        PC1s
                       H<sub>2</sub>O
                                                         HaPO<sub>4</sub>
24. H<sub>2</sub>S
                                      Se.
                      C12 --
                                                    HIC3
25. Fe
                + H<sub>2</sub>O - Fe<sub>3</sub>O<sub>4</sub>
                                                         Har
26.
      N_2 + H_2 \rightarrow NH_3
27. N2 +
                  O_2 \rightarrow N_2O
28.
      CO2 +
                     H<sub>2</sub>O → C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>
29. SiCl.
                   + H2O - H4SiO4 + HC1
30. H_3PO_4 \rightarrow H_4P_2O_7 +
                                          HH-O
31. CO_2 + NH_3 \rightarrow OC(NH_2)_2 + H_2O
32. Al(OH)<sub>3</sub> + H_2SO_4 \rightarrow Al_2(SO_4)_3 +
                                                                    H<sub>2</sub>O
33.
        Fe<sub>2</sub> (SO<sub>4</sub>)<sub>3</sub> + KOH → K<sub>2</sub>SO<sub>4</sub>
                                                       + Fe (OH) 3
34. H<sub>2</sub>SO<sub>4</sub> + HI --
                                      H<sub>2</sub>S
                                                      T.20
                                                                     H_{\mathbb{Z}}O
35.
              + FeO - Al<sub>2</sub>O<sub>2</sub> +
        AL.
                                                       EVO
                                   → NaCl + H2O
36.
        NagCOs
                   + HC1
37.
                   O2 -
                                 P20a
38.
        K_2O + H_2O \rightarrow KOH
39.
        24.1
             + O2
                           1000
                                   A1203
                          H<sub>2</sub>O → NaOH +
40 ...
        NagO<sub>2</sub> +
                                                        O<sub>21</sub>
41.
        C + H<sub>2</sub>O → CO + H<sub>2</sub>
                                    + H<sub>2</sub>O
42. H<sub>3</sub>AsO<sub>4</sub> → As<sub>2</sub>O<sub>5</sub>
43. Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub> + Ca(OH)<sub>2</sub> → Al(OH)<sub>3</sub> + CaSO<sub>4</sub>
44.
                  + NH<sub>4</sub>OH
                                    → Fe (OH) 3 + NH<sub>4</sub>Cl
45 ...
        Cas(PO4); +
                               6 SiO<sub>2</sub> → P<sub>4</sub>O<sub>10</sub> + CaSiO<sub>3</sub>
46.
      N_2O_5 + H_2O \rightarrow HNO_3
47.
      Al + HCl - AlCl3
                                                        Ho
```

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