## Balanced?

Determine if the following chemical equations are balanced by counting the atoms of each element in the reactants and the products to see if they are equal. Don't forget to make a T-chart for each equation. Feel free to draw diagrams or show your math if it helps.

| $\mathrm{KOH}+\mathrm{HBr} \rightarrow \mathrm{KBr}+\mathrm{H}_{2} \mathrm{O}$ |
| :--- |
| R |
| $\mathrm{K}=+\mathrm{K}=$ |
| $\mathrm{O}=$ |
| $\mathrm{H}=$ |
| $\mathrm{Br}=$ |
|  |
|  |
|  |
| $3 \mathrm{Na}+\mathrm{Cl}_{2} \rightarrow 3 \mathrm{NaCl}$ |
| $\mathrm{O}=$ |
| $\mathrm{Br}=$ |
|  |
|  |
| $\mathrm{Fe}+\mathrm{AgNO}_{3} \rightarrow \mathrm{Fe}\left(\mathrm{NO}_{3}\right)_{2}+\mathrm{Ag}$ |

$\mathrm{CO}_{2}+\mathrm{H}_{2} \mathrm{O} \rightarrow \mathrm{C}_{6} \mathrm{H}_{12} \mathrm{O}_{6}+\mathrm{O}_{2}$
$3 \mathrm{AgBr}+\mathrm{GaPO}_{4} \rightarrow \mathrm{Ag}_{3} \mathrm{PO}_{4}+\mathrm{GaBr}_{3}$
$4 \mathrm{NaOH}+2 \mathrm{H}_{2} \mathrm{CO}_{3} \rightarrow 2 \mathrm{Na}_{2} \mathrm{CO}_{3}+4 \mathrm{H}_{2} \mathrm{O}$

