

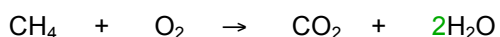
REMEMBERING TO BALANCE EQUATIONS

Remember the following:

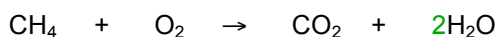
- An equation is balanced when there are the same number of each type of atom on both sides of it.
- It can only be balanced by putting numbers in front of the chemical formulas - you CANNOT change the chemical formula itself to make an equation balance.

How to balance an equation:

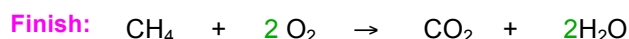
- Calculate how many atoms of each type are on each side of the equation.
- If the numbers are the same then the equation is balanced.
- If the numbers are not the same, then numbers are put in front of the formulas (this adds more of that substance). You cannot change the formulas (this would make a different substance).
Hint – start with unbalanced elements that only appear in one substance on each side of the equation.
- Keep doing this until the equation is balanced.



Doubling the amount of water corrects the H's on both sides.



C, H are balanced but O is not - but doubling on the LHS corrects this.



NB - None of the subscript numbers changed!

Questions

Put your final answers here although you may wish to do your working out with a pencil or on a separate sheet of paper or on the reverse of this sheet.

