Chemistry

- This law says , no atoms are made and no atoms are destroyed
- In a chemical reaction the mass of products is equal to mass of reactants
- Meaning you end the same amount of stuff you started with
- Atoms are rearranged but the total number of atoms stays the same

Because of This law chemist guess that

- what new substances will form in a reaction
- how much product will be made

Formula and state symbols

The formula shows

- which elements are in a compound
- how many atoms of each element are in one molecule

subScript numbers

- A small number written after symbol tells you how many atoms are present
- CO_2
- H_2 , 2 hydrogen atoms

Brackets in formulas

- If there are brackets the number outside the bracket multiply is inside everything
- Ca(NO3)2
- Ca is one
- N is 2
- O is 6

State symbols

State symbols show the state of substance

s Shows solid

l shows liquid

g shows gas

a q shows aqueous solution