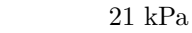
Equilibrium

AP Chemistry · Vocabulary in context

Word	Example
reversible reaction /rɪˈvɜːsɪbl rɪˈækʃn/	A **reversible reaction** can go both ways.
chemical equilibrium /ˈkemɪkl ˌiːkwɪˈlɪbrɪəm/	At **chemical equilibrium**, the amounts stop changing.
forward reaction /ˈfɔːwəd rɪˈækʃn/	In the **forward reaction**, nitrogen and hydrogen make ammonia.
reverse reaction /rɪˈvɜːs rɪˈækʃn/	In the **reverse reaction**, ammonia breaks down again.
concentration /ˌkɒnsənˈtreɪʃn/	The **concentration** of the acid is 2 mol/dm^3.
dynamic /daɪˈnæmɪk/	Equilibrium is **dynamic**: both reactions keep going.
reactant /rɪˈæktənt/	A **reactant** is used up in a reaction.
product /ˈprɒdʌkt/	A **product** is made in a reaction.
reaction quotient /rɪˈækʃn ˈkwəʊʃənt/	The **reaction quotient** uses current concentrations to predict reaction direction.
equilibrium constant /ˌiːkwɪˈlɪbrɪəm ˈkɒnstənt/	A large **equilibrium constant** means mostly products.
balanced equation	The **balanced equation** cannot tell you the orders.
partial pressure /ˈpɑːʃl ˈpreʃə/	The **partial pressure** of oxygen in air is about 21 kPa. 

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Word	Example
molarity /məʊˈlærɪti/	**Molarity** is moles of solute per litre of solution.
coefficient /ˌkəʊɪˈfɪʃənt/	The number in front of the letter is the **coefficient**.
ICE table /aɪs ˈteɪbl/	An **ICE table** shows initial, change and equilibrium amounts.
mole ratio /məʊl ˈreɪʃɪəʊ/	Use the equation's **mole ratio** to calculate product amounts.
negligible /ˈneglɪdʒəbl/	For a heavy stone, air resistance is **negligible**.
particulate /pəˈtɪkjʊleɪt/	A **particulate** diagram shows particles as small circles.
Le Chatelier's principle /lə ˈtʃeɪtlɪəz ˈprɪnsɪpl/	**Le Chatelier's principle** says equilibrium shifts to undo a change.
slightly soluble	Silver chloride is **slightly soluble**: only a tiny amount dissolves.
solubility product /ˌsɒljuːˈbɪlɪti ˈprɒdʌkt/	Silver chloride has a very small **solubility product**.
stoichiometry /ˌstəʊɪkɪˈɒmətri/	**Stoichiometry** tells us how many moles of each substance react.
molar solubility /ˈməʊlə ˌsɒljuːˈbɪlɪti/	**Molar solubility** is the moles that dissolve in one litre.
common-ion effect /ˈkɒmən ˈaɪɒn ɪˈfekt/	The **common-ion effect** lowers solubility when the same ion is already present.
endothermic /ˌendəʊˈθɜːmɪk/	Melting ice is **endothermic**: it takes in heat.

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Word	Example
catalyst /ˈkætəlɪst/	A **catalyst** speeds up a reaction without being used up.

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