

التصويبات الخاصة بالكيمياء طبقاً لأرقام الصفحات بكتاب المفاهيم علمى علوم

التصويب	الخطأ	الصفحة
$2\text{FeO}_{(s)} + \frac{1}{2}\text{O}_{2(g)} \xrightarrow{\Delta} \text{Fe}_2\text{O}_{3(s)}$ (حديد 69.6%)	$2\text{FeO}_{3(s)} + \frac{1}{2}\text{O}_{2(g)} \xrightarrow{\Delta} \text{Fe}_2\text{O}_{3(s)}$ (حديد 69.6%)	133
$2\text{Fe}_2\text{O}_3 \cdot 3\text{H}_2\text{O}_{(s)} \xrightarrow{\Delta} 2\text{Fe}_2\text{O}_{3(s)} + 3\text{H}_2\text{O}_{(v)}$ (حديد 40%)	$2\text{Fe}_2\text{O}_3 \cdot 3\text{H}_2\text{O}_{(s)} \xrightarrow{\Delta} 2\text{Fe}_2\text{O}_3 + 3\text{H}_2\text{O}_{(2)}$ (حديد 40%)	133
$4\text{P}_{(s)} + 5\text{O}_{2(g)} \xrightarrow{\Delta} 2\text{P}_2\text{O}_{5(s)}$	$4\text{P}_{(s)} + 5\text{O}_{2(g)} \xrightarrow{\Delta} 2\text{PO}_{5(g)}$	133
$3\text{CO}_{(g)} + \text{Fe}_2\text{O}_{3(s)} \xrightarrow[700^\circ\text{C}]{\text{أعلى من}} 2\text{Fe}_{(s)} + 3\text{CO}_{2(g)}$	$3\text{CO}_{(g)} + \text{Fe}_2\text{O}_{3(s)} \xrightarrow{\Delta} 2\text{Fe}_{(s)} + 3\text{CO}_{2(s)}$	133
$2\text{CH}_{4(g)} + \text{CO}_{2(g)} + \text{H}_2\text{O}_{(v)} \xrightarrow{\Delta} 3\text{CO}_{(g)} + 5\text{H}_{2(g)}$	$2\text{CH}_{4(s)} + \text{CO}_{2(g)} \xrightarrow{\Delta} 3\text{CO}_{(g)} + 5\text{H}_{2(g)}$	133
$2\text{Fe}_2\text{O}_{3(s)} + 3\text{CO}_{(g)} + 3\text{H}_{2(g)} \xrightarrow{\Delta} 4\text{Fe}_{(s)} + 3\text{CO}_{2(g)} + 3\text{H}_2\text{O}_{(v)}$	$2\text{Fe}_2\text{O}_{3(s)} + 3\text{CO}_{(s)} + 3\text{H}_{2(s)} \xrightarrow{\Delta} 4\text{Fe}_{(s)} + 3\text{CO}_{2(s)} + 3\text{H}_2\text{O}_{(s)}$	133
$3\text{Fe}_{(s)} + 4\text{H}_2\text{O}_{(v)} \xrightarrow{500^\circ\text{C}} \text{Fe}_3\text{O}_{4(s)} + 4\text{H}_{2(g)}$	$3\text{Fe}_{(s)} + 4\text{H}_2\text{O}_{(s)} \xrightarrow{500^\circ\text{C}} \text{Fe}_3\text{O}_{4(s)} + 4\text{H}_{2(s)}$	134
$2\text{Fe}_{(s)} + 3\text{Cl}_{2(g)} \xrightarrow{\Delta} 2\text{FeCl}_{3(s)}$	$2\text{Fe}_{(s)} + 3\text{Cl}_{2(s)} \xrightarrow{\Delta} 2\text{Fe}_3\text{Cl}_{3(s)}$	134
$\text{Fe}_{(s)} + \text{H}_2\text{SO}_{4(aq)} \xrightarrow{\text{dil}} \text{FeSO}_{4(aq)} + \text{H}_{2(g)}$	$\text{Fe}_{(s)} + \text{H}_2\text{SO}_{2(g)} \xrightarrow{\text{dil}} \text{FeSO}_{(aq)} + \text{H}_{2(g)}$	135
$\text{Fe}_{(s)} + 2\text{HCl}_{(aq)} \xrightarrow{\text{dil}} \text{FeCl}_{2(aq)} + \text{H}_{2(g)}$	$\text{Fe}_{(s)} + 2\text{HCl}_{(aq)} \xrightarrow{\text{dil}} \text{FeCl}_{2(aq)} + \text{H}_{2(s)}$	135
$3\text{Fe}_{(s)} + 8\text{H}_2\text{SO}_{4(\ell)} \xrightarrow[\text{conc}]{\Delta} \text{FeSO}_{4(aq)} + \text{Fe}_2(\text{SO}_4)_{3(aq)} + 4\text{SO}_{2(g)} + 8\text{H}_2\text{O}_{(v)}$	$3\text{Fe}_{(s)} + 8\text{H}_2\text{SO}_{4(\ell)} \xrightarrow[\text{conc}]{\Delta} \text{Fe}_3\text{SO}_{4(aq)} + \text{Fe}_2(\text{SO}_4)_{3(aq)} + 4\text{SO}_{2(g)} + 8\text{H}_2\text{O}_{(s)}$	135
$\text{COO} \begin{array}{l} \diagdown \\ \text{Fe} \\ \diagup \end{array} \text{COO}_{(s)} \xrightarrow[\text{معمل عن الهواء}]{\Delta} \text{FeO}_{(s)} + \text{CO}_{(g)} + \text{CO}_{2(g)}$	$\text{COO} \begin{array}{l} \diagdown \\ \text{Fe} \\ \diagup \end{array} \text{COO} \xrightarrow[\text{معمل عن الهواء}]{\Delta} \text{FeO}_{(s)} + \text{CO}_{(g)} + \text{CO}_{2(g)}$	135
$\text{Fe}_2\text{O}_{3(s)} + \text{H}_2(g) \xrightarrow{400/700^\circ\text{C}} 2\text{FeO}_{(s)} + \text{H}_2\text{O}_{(v)}$	$\text{Fe}_2\text{O}_{3(s)} + \text{H}_2(s) \xrightarrow{400/700^\circ\text{C}} 2\text{FeO}_{(s)} + \text{H}_2\text{O}_{(s)}$	135
$\text{Fe}_3\text{O}_{4(s)} + \text{H}_2(g) \xrightarrow{400/700^\circ\text{C}} 3\text{FeO}_{(s)} + \text{H}_2\text{O}_{(v)}$	$\text{Fe}_3\text{O}_{4(s)} + \text{H}_2(s) \xrightarrow{400/700^\circ\text{C}} 3\text{FeO}_{(s)} + \text{H}_2\text{O}_{(s)}$	135
$4\text{FeO}_{(s)} + \text{O}_{2(g)} \xrightarrow{\Delta} 2\text{Fe}_2\text{O}_{3(s)}$	$4\text{FeO}_{(s)} + \text{O}_{2(g)} \xrightarrow{\Delta} 2\text{Fe}_3\text{O}_{3(s)}$	135
$\text{FeO}_{(s)} + \text{H}_2\text{SO}_{4(aq)} \xrightarrow{\text{dil}} \text{FeSO}_{4(aq)} + \text{H}_2\text{O}_{(\ell)}$	$\text{Fe}_{(s)} + \text{H}_2\text{SO}_{4(aq)} \xrightarrow{\text{dil}} \text{FeSO}_{4(aq)} + \text{H}_2\text{O}_{(\ell)}$	135
$2\text{Fe}(\text{OH})_{3(s)} \xrightarrow[200^\circ\text{C}]{\text{أعلى من}} \text{Fe}_2\text{O}_{3(s)} + 3\text{H}_2\text{O}_{(v)}$	$2\text{Fe}(\text{OH})_{3(s)} \xrightarrow[700^\circ\text{C}]{\text{أعلى من}} \text{Fe}_2\text{O}_{3(s)} + 3\text{H}_2\text{O}_{(g)}$	135
$2\text{FeSO}_{4(s)} \xrightarrow{\Delta} \text{Fe}_2\text{O}_{3(s)} + \text{SO}_{2(g)} + \text{SO}_{3(g)}$	$2\text{FeSO}_{4(s)} \xrightarrow{\Delta} \text{Fe}_2\text{O}_{3(s)} + \text{SO}_{2(g)} + \text{SO}_{2(g)}$	135
$\text{Fe}_2\text{O}_{3(s)} + 3\text{H}_2\text{SO}_{4(\ell)} \xrightarrow[\text{conc}]{\Delta} \text{Fe}_2(\text{SO}_4)_{3(aq)} + 3\text{H}_2\text{O}_{(v)}$	$\text{Fe}_2\text{O}_{3(s)} + 3\text{H}_2\text{SO}_{4(aq)} \xrightarrow[\text{conc}]{\Delta} \text{Fe}_2(\text{SO}_4)_{3(aq)} + 3\text{H}_2\text{O}_{(v)}$	135
$\text{Fe}_3\text{O}_{4(s)} + 4\text{H}_2\text{SO}_{4(\ell)} \xrightarrow[\text{conc}]{\Delta} \text{FeSO}_{4(aq)} + \text{Fe}_2(\text{SO}_4)_{3(aq)} + 4\text{H}_2\text{O}_{(v)}$	$\text{Fe}_3\text{O}_{4(s)} + 4\text{H}_2\text{SO}_{4(\ell)} \xrightarrow[\text{conc}]{\Delta} \text{FeSO}_{4(aq)} + \text{Fe}_2(\text{SO}_4)_{3(aq)} + 4\text{H}_2\text{O}_{(s)}$	135
$2\text{Fe}_3\text{O}_{4(s)} + \frac{1}{2}\text{O}_{2(g)} \xrightarrow{\Delta} 3\text{Fe}_2\text{O}_{3(s)}$	$2\text{Fe}_3\text{O}_{4(s)} + \frac{1}{2}\text{O}_{2(g)} \xrightarrow{\Delta} 3\text{Fe}_2\text{O}_{3(g)}$	135

Quantitative Analysis (الكمي) التحليل -2	Quantitative Analysis (الكمي) التحليل -2	136
أبخرة اليود تظهر بلونها	أبخرة اليود تظهر بلونها	138
$\text{FeSO}_{4(aq)} + \text{NO}_{(g)} \longrightarrow \text{FeSO}_4 \cdot \text{NO}_{(s)}$	$\text{FeSO}_{4(aq)} + \text{NO}_{(g)} \longrightarrow \text{FeSO}_4 \cdot \text{NO}_{(s)}$	139
محلول ملح النحاس II $\text{CuSO}_{4(aq)} + \text{H}_2\text{S}_{(g)} \longrightarrow \text{H}_2\text{SO}_{4(aq)} + \text{CuS}_{(s)}$	محلول ملح النحاس II $\text{CuSO}_{4(aq)} + \text{H}_2\text{S}_{(g)} \longrightarrow \text{H}_2\text{SO}_{4(aq)} + \text{CuS}_{(s)}$	139
عصير العنب 4 عصير الطماطم 4.2	عصير العنب 3.5 عصير الطماطم 4	145
$\text{PbBr}_{2(s)}$	$\text{PbBr}_{2(aq)}$ (آخر الصفحة)	146
$\text{Cr} \rightleftharpoons \text{Cr}^{2+} + 2e^-$	$\text{Cr} \rightleftharpoons \text{Cr}^{2+} + 3e^-$ (في المتسلسلة)	147
$2\text{Fe}(\text{OH})_{2(s)}$	$\text{Fe}(\text{OH})_{2(s)}$ (المعادلة 3)	149
$\text{C}_n\text{H}_{2n-2}$ C_nH_{2n} $\text{C}_n\text{H}_{2n+2}$	$\text{C}_n\text{H}_{2n-2}$ C_nH_{2n} $\text{C}_n\text{H}_{2n+2}$	153
$\text{H}-\text{C}\equiv\text{C}-\text{H}_{(g)} \xrightarrow[\text{Ni}]{\text{H}_2} \begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{C}=\text{C} \\ \quad \\ \text{H} \quad \text{H}_{(g)} \end{array} \xrightarrow[\text{Ni}]{\text{H}_2} \begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{H}-\text{C}-\text{C}-\text{H} \\ \quad \\ \text{H} \quad \text{H}_{(g)} \end{array}$ إيثاين إيثين إيثان	$\text{H}-\text{C}\equiv\text{C}-\text{H}_{(g)} \xrightarrow[\text{Ni}]{\text{H}_2} \begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{C}=\text{C} \\ \quad \\ \text{H} \quad \text{H}_{(g)} \end{array} \xrightarrow[\text{Ni}]{\text{H}_2} \begin{array}{c} \text{H} \quad \text{H} \\ \quad \\ \text{H}-\text{C}-\text{C}-\text{H} \\ \quad \\ \text{H} \quad \text{H}_{(g)} \end{array}$ إيثاين إيثين إيثان	158
$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}=\text{CH}-\text{CH}_3_{(l)} + \text{H}_2\text{O}_{(l)} \xrightarrow[110^\circ\text{C}]{\text{H}_2\text{SO}_4} \begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}-\text{CH}_2-\text{CH}_3_{(l)} \\ \\ \text{OH} \end{array}$ 2-ميثيل -2 بيوتين 2-ميثيل -2 بيوتانول (كحول ثانوي)	$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_2-\text{C}=\text{CH}-\text{CH}_3_{(l)} + \text{H}_2\text{O}_{(l)} \xrightarrow{\text{H}_2\text{SO}_4} \begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{C}-\text{CH}_2-\text{CH}_3_{(l)} \\ \\ \text{OH} \end{array}$ 2-ميثيل -2 بيوتين 2-ميثيل -2 بيوتانول (كحول ثالثي)	164
$\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH} + \text{H}-\text{OR} \xrightarrow[\text{Conc.}]{\text{H}_2\text{SO}_4} \text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OR} + \text{H}_2\text{O}$	$\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH} + \text{H}-\text{OR} \xrightarrow[\text{Conc.}]{\text{H}_2\text{SO}_4} \text{R}-\overset{\text{OR}}{\parallel}{\text{C}}-\text{OR} + \text{H}_2\text{O}$	170
$\text{HO}-\overset{\text{O}}{\parallel}{\text{C}}-\text{C}_6\text{H}_4-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH} + \text{HO}-\text{CH}_2-\text{CH}_2-\text{OH}_{(l)} \xrightarrow{-\text{H}_2\text{O}} \text{HO}-\overset{\text{O}}{\parallel}{\text{C}}-\text{C}_6\text{H}_4-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{CH}_2-\text{CH}_2-\text{OH}$ حمض تيرفتاليك إيثيلين جليكول حامض كحول	$\text{HO}-\overset{\text{O}}{\parallel}{\text{C}}-\text{C}_6\text{H}_4-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH} + \text{HO}-\text{CH}_2-\text{CH}_2-\text{OH}_{(l)} \xrightarrow{-\text{H}_2\text{O}} \text{HO}-\overset{\text{O}}{\parallel}{\text{C}}-\text{C}_6\text{H}_4-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{CH}_2-\text{CH}_2-\text{OH}$ حمض تيرفتاليك إيثيلين جليكول حامض كحول	173
$\text{C}_6\text{H}_6_{(l)} + \text{CH}_3\text{Cl}_{(g)} \xrightarrow[\text{(anhydrous)}]{\text{AlCl}_3} \text{C}_6\text{H}_5\text{CH}_3_{(l)} + \text{HCl}_{(g)}$	$\text{C}_6\text{H}_6_{(l)} + \text{HNO}_3_{(l)} \xrightarrow[50^\circ\text{C}]{\text{Conc. H}_2\text{SO}_4} \text{C}_6\text{H}_5\text{NO}_2_{(l)} + \text{H}_2\text{O}_{(v)}$ Nitrobenzene	215
moléculaire	molecular	250
$\text{Ka de CH}_3\text{COOH} = 1,8 \times 10^{-5}$	$\text{Ka de CH}_3\text{COOH} = 1,8 \times 10^{-4}$	250
تحذف	Hydroxyde de baryum $\text{Ba}(\text{OH})_2 \longrightarrow \text{K}^+$	253
$\text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{OH} + \text{H}-\text{OSO}_3\text{H} \xrightarrow{80^\circ\text{C}} \text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{O}-\text{SO}_3\text{H} + \text{H}_2\text{O}$	$\text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{OH} + \text{H}-\text{OSO}_3\text{H} \xrightarrow{80^\circ\text{C}} \text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{H}}{\text{C}}-\text{O}-\text{SO}_3\text{H} + \text{H}_2\text{O}$	265
$\text{H}-\text{C}\equiv\text{C}-\text{H} \xrightarrow[\text{H}_2\text{SO}_4, 40\%]{\text{HgSO}_4, 60^\circ\text{C}} \text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{OH}}{\text{C}}-\text{H} \xrightarrow{-\text{H}_2\text{O}} \text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{O}}{\text{C}}-\text{H}_{(l)}$	$\text{H}-\text{C}\equiv\text{C}-\text{H} \xrightarrow[\text{H}_2\text{SO}_4, 40\%]{\text{HgSO}_4, 60^\circ\text{C}} \text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{OH}}{\text{C}}-\text{H} \xrightarrow{-\text{H}_2\text{O}} \text{H}-\overset{\text{H}}{\text{C}}-\overset{\text{O}}{\text{C}}-\text{H}_{(l)}$	269
		271