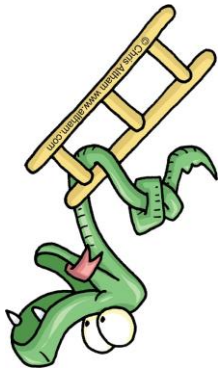
Card 1.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Ca_{(s)} + H_2O_{(l)} \rightarrow XCa(OH)_{2(aq)} + H_{2(g)}$$

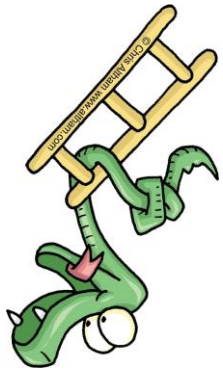


Raffles Girls' School (Secondary)

Card 2.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$H_{2(g)} + XO_{2(g)} \rightarrow H_2O_{(l)}$$

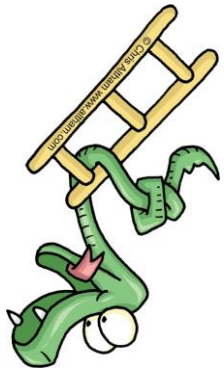


Raffles Girls' School (Secondary)

Card 3.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Al_{(s)} + XFe_2O_{3(s)} \rightarrow Fe_{(s)} + Al_2O_{3(s)}$$

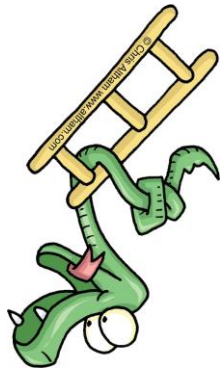


Raffles Girls' School (Secondary)

Card 4.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Ba(NO_3)_{2(aq)} + Na_2SO_{4(aq)} \rightarrow XBaSO_{4(s)} + NaNO_{3(aq)}$$



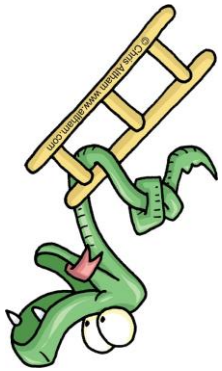
Raffles Girls' School (Secondary)

Card 5.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$AgNO_{3(aq)} + CaCl_{2(aq)} \rightarrow AgCl_{(s)} + XCa(NO_3)_{2(aq)}$$

Chemical Equations



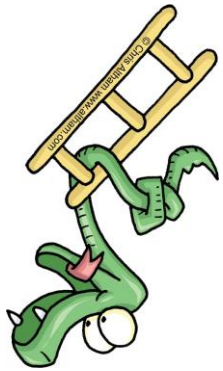
Raffles Girls' School (Secondary)

Card 6.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Cu_{(s)} + AgNO_{3(aq)} \rightarrow XCu(NO_3)_{2(aq)} + Ag_{(s)}$$

Chemical Equations



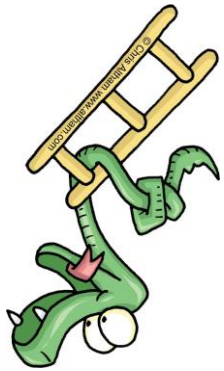
Raffles Girls' School (Secondary)

Card 7.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$HCl_{(aq)} + Zn_{(s)} \rightarrow XZnCl_{2(aq)} + H_{2(g)}$$

Chemical Equations



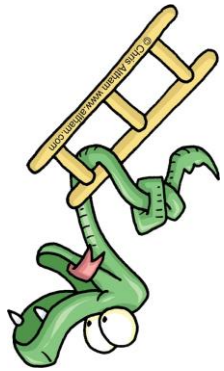
Raffles Girls' School (Secondary)

Card 8.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$HNO_{3(aq)} + CuO_{(s)} \rightarrow Cu(NO_3)_{2(aq)} + XH_2O_{(l)}$$

Chemical Equations



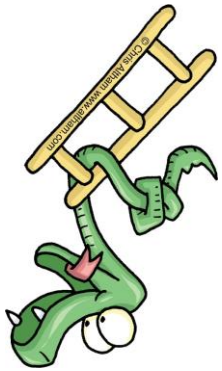
Raffles Girls' School (Secondary)

Card 9.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$X C_6H_{12(l)} + O_{2(g)} \rightarrow CO_{2(g)} + H_2O_{(l)}$$

Chemical Equations



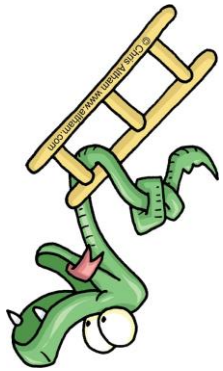
Raffles Girls' School (Secondary)

Card 10.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Xe_{(g)} + F_{2(g)} \rightarrow XXeF_{4(g)}$$

Chemical Equations



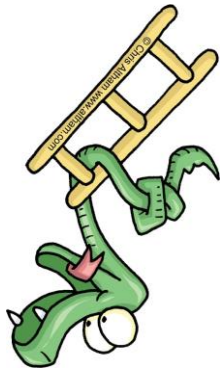
Raffles Girls' School (Secondary)

Card 11.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Na_{(s)} + H_2O_{(l)} \rightarrow XNaOH_{(aq)} + H_{2(g)}$$

Chemical Equations



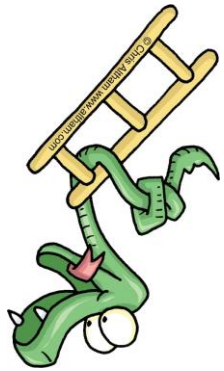
Raffles Girls' School (Secondary)

Card 12.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$P_2O_{5(s)} + H_2O_{(l)} \rightarrow XH_3PO_{4(aq)}$$

Chemical Equations



Raffles Girls' School (Secondary)

Card 13.

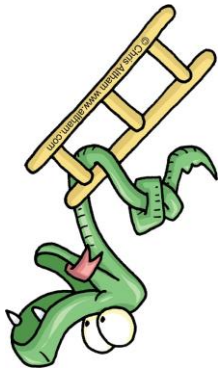
Balance the chemical equation shown below and then move forward X number of spaces on the board:

$C_2H_5OH_{(l)} + O_{2(g)}$

↓

$XCO_{2(g)} + H_2O_{(l)}$

Chemical Equations



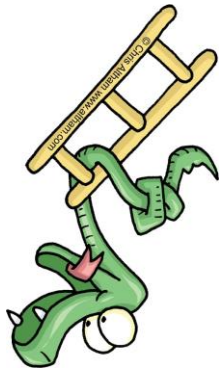
Raffles Girls' School (Secondary)

Card 14.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$H_2O_{2(l)} \rightarrow XH_2O_{(l)} + O_{2(g)}$

Chemical Equations



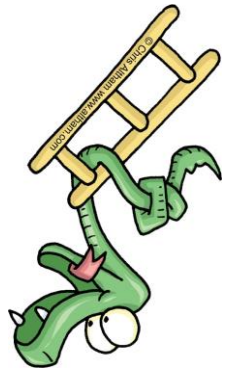
Raffles Girls' School (Secondary)

Card 15.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$XNa_{(s)} + Cl_{2(g)} \rightarrow NaCl_{(s)}$

Chemical Equations



Raffles Girls' School (Secondary)

Card 16.

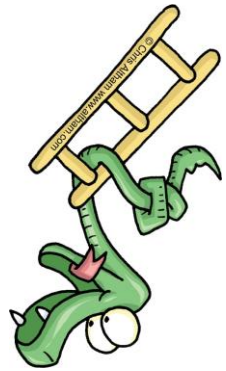
Balance the chemical equation shown below and then move forward X number of spaces on the board:

$KNO_{3(s)}$

↓

$XKNO_{2(s)} + O_{2(g)}$

Chemical Equations

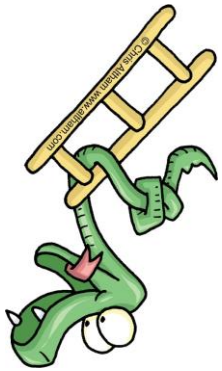


Raffles Girls' School (Secondary)

Card 17.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$HNO_{3(aq)} + Na_2CO_{3(s)}$
↓
$XNaNO_{3(aq)} + H_2O_{(l)} + CO_{2(g)}$



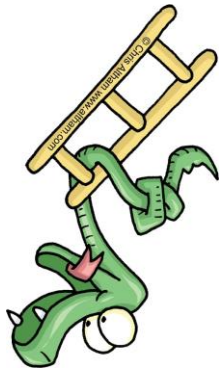
Raffles Girls' School (Secondary)

Chemical Equations

Card 18.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$XHCl_{(aq)} + Mg_{(s)}$
↓
$MgCl_{2(aq)} + H_2(g)$



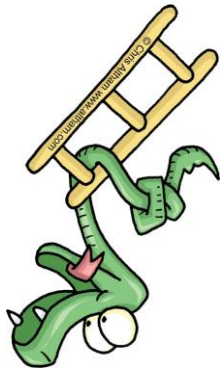
Raffles Girls' School (Secondary)

Chemical Equations

Card 19.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$CH_{4(g)} + XO_{2(g)}$
↓
$CO_{2(g)} + H_2O_{(l)}$



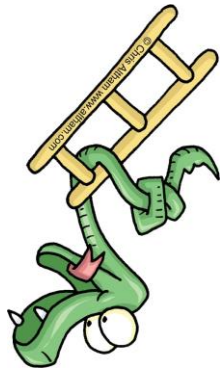
Raffles Girls' School (Secondary)

Chemical Equations

Card 20.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$XHI_{(g)} \rightarrow H_{2(g)} + I_{2(g)}$



Raffles Girls' School (Secondary)

Chemical Equations

Card 21.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$N_{2(g)} + XH_{2(g)} \rightarrow NH_{3(g)}$

Card 22.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$XH_2SO_{4(aq)} + Fe_2O_{3(s)}$
↓
$Fe_2(SO_4)_{3(aq)} + H_2O_{(l)}$

Card 23.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

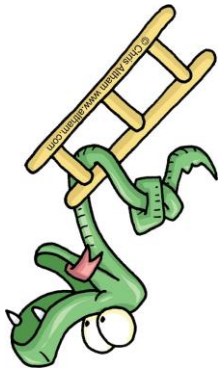
$Al_{(s)} + XI_{2(s)} \rightarrow AlI_{3(s)}$

Card 24.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

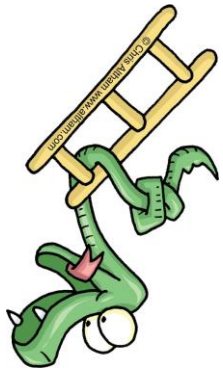
$Fe_2O_{3(s)} + XCO_{(g)}$
↓
$Fe_{(s)} + CO_{2(g)}$

Chemical Equations



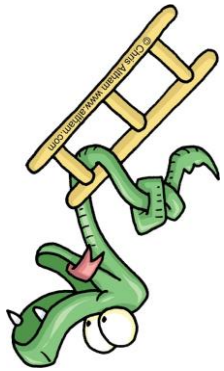
Raffles Girls' School (Secondary)

Chemical Equations



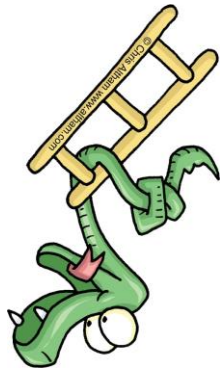
Raffles Girls' School (Secondary)

Chemical Equations



Raffles Girls' School (Secondary)

Chemical Equations



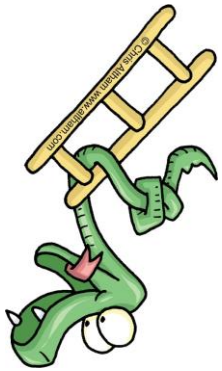
Raffles Girls' School (Secondary)

Card 25.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$S_{(s)} + XF_{2(g)} \rightarrow SF_{6(g)}$

Chemical Equations



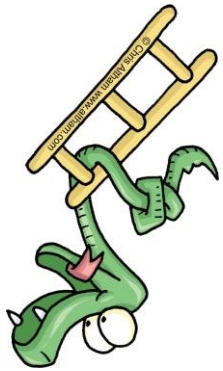
Raffles Girls' School (Secondary)

Card 26.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$H_3PO_{4(aq)} + XMg_{(s)} \rightarrow Mg_3(PO_4)_{2(s)} + H_{2(g)}$

Chemical Equations



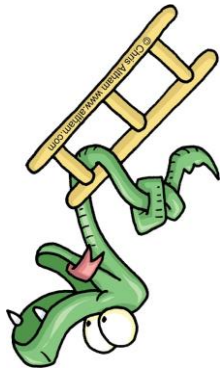
Raffles Girls' School (Secondary)

Card 27.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$Fe_{(s)} + XCl_{2(g)} \rightarrow FeCl_{3(s)}$

Chemical Equations



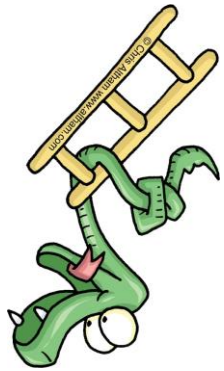
Raffles Girls' School (Secondary)

Card 28.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$B_2O_{3(s)} + XH_2O_{(l)} \rightarrow H_3BO_{3(aq)}$

Chemical Equations



Raffles Girls' School (Secondary)

Card 29.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$CuO_{(s)} + NH_{3(g)}$

↓

$XCu_{(s)} + H_2O_{(l)} + N_{2(g)}$

Card 30.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$CH_{4(g)} + H_2O_{(g)}$

↓

$CO_{(g)} + XH_{2(g)}$

Card 31.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$XAl_{(s)} + O_{2(g)} \rightarrow Al_2O_{3(s)}$

Card 32.

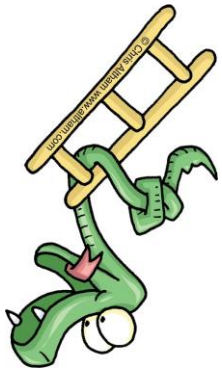
Balance the chemical equation shown below and then move forward X number of spaces on the board:

$Pb(NO_3)_{2(s)}$

↓

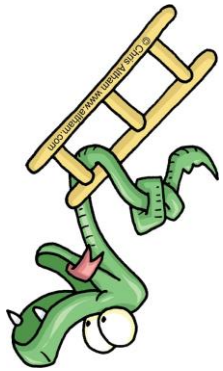
$PbO_{(s)} + XNO_{2(g)} + O_{2(g)}$

Chemical Equations



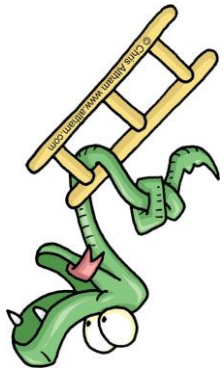
Raffles Girls' School (Secondary)

Chemical Equations



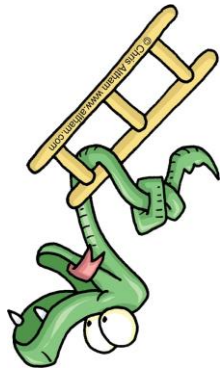
Raffles Girls' School (Secondary)

Chemical Equations



Raffles Girls' School (Secondary)

Chemical Equations



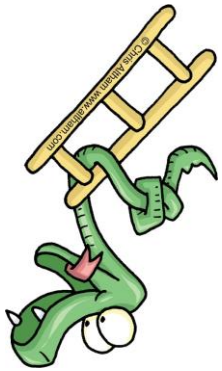
Raffles Girls' School (Secondary)

Card 33.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$MnO_{2(s)} + XHCl_{(aq)} \rightarrow MnCl_{2(aq)} + Cl_{2(g)} + H_2O_{(g)}$$

Chemical Equations



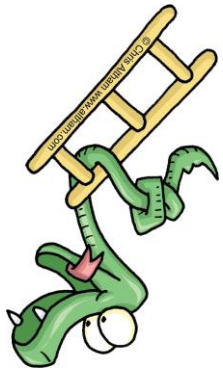
Raffles Girls' School (Secondary)

Card 34.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$CH_{4(g)} + XCl_{2(g)} \rightarrow CCl_{4(l)} + HCl_{(g)}$$

Chemical Equations



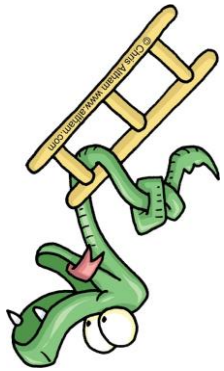
Raffles Girls' School (Secondary)

Card 35.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$C_2H_{6(g)} + O_{2(g)} \rightarrow XCO_{2(g)} + H_2O_{(g)}$$

Chemical Equations



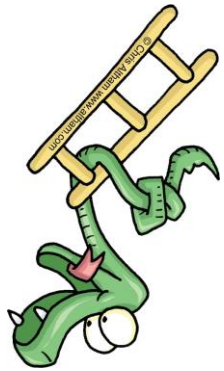
Raffles Girls' School (Secondary)

Card 36.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Cu_{(s)} + XHNO_{3(aq)} \rightarrow Cu(NO_3)_{2(aq)} + H_2O_{(l)} + NO_{2(g)}$$

Chemical Equations



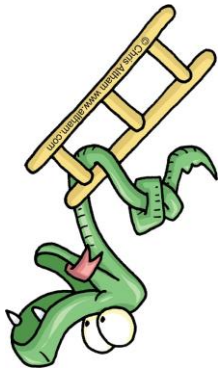
Raffles Girls' School (Secondary)

Card 37.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$FeCO_{3(s)} + O_{2(g)}$
↓
$Fe_2O_{3(s)} + XCO_{2(g)}$

Chemical Equations



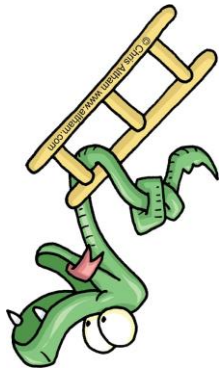
Raffles Girls' School (Secondary)

Card 38.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$FeCr_2O_{4(s)} + XC_{(s)}$
↓
$Fe_{(l)} + Cr_{(l)} + CO_{(g)}$

Chemical Equations



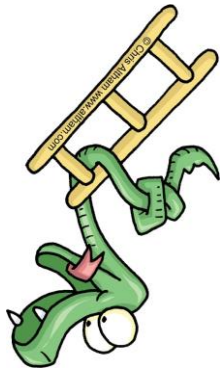
Raffles Girls' School (Secondary)

Card 39.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$N_2O_{5(g)} \rightarrow XNO_{2(g)} + O_{2(g)}$

Chemical Equations



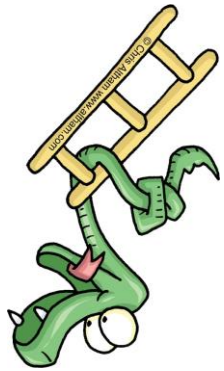
Raffles Girls' School (Secondary)

Card 40.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$H_2S_{(g)} + H_2SO_{4(l)}$
↓
$S_{(s)} + XH_2O_{(l)}$

Chemical Equations



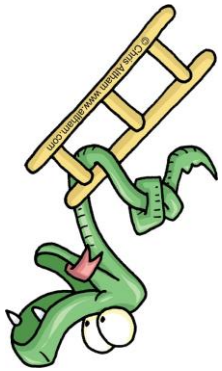
Raffles Girls' School (Secondary)

Card 41.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$C_3H_{8(g)} + XO_{2(g)}$
↓
$CO_{2(g)} + H_2O_{(l)}$

Chemical Equations



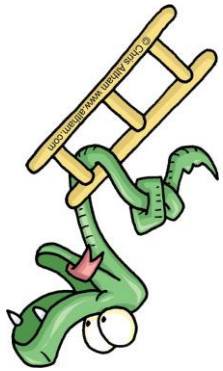
Raffles Girls' School (Secondary)

Card 42.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$C_5H_{12(l)} + O_{2(g)}$
↓
$XCO_{2(g)} + H_2O_{(l)}$

Chemical Equations



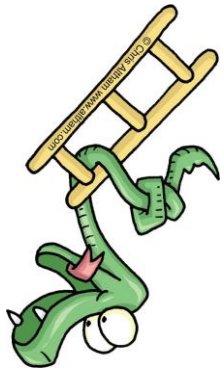
Raffles Girls' School (Secondary)

Card 43.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$MnO_4^-{}_{(aq)} + H^+_{(aq)} + Xe^-$
↓
$Mn^{2+}{}_{(aq)} + H_2O_{(l)}$

Chemical Equations



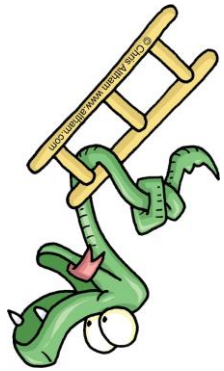
Raffles Girls' School (Secondary)

Card 44.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$V_{(s)} + XO_{2(g)} \rightarrow V_2O_{5(s)}$

Chemical Equations

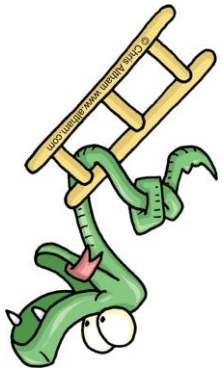


Raffles Girls' School (Secondary)

Card 45.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$P_{(s)} + XCl_{2(g)} \rightarrow PCl_{5(s)}$

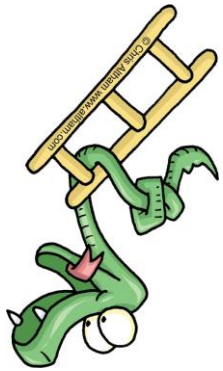


Raffles Girls' School (Secondary)

Card 46.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$P_{(s)} + XO_{2(g)} \rightarrow P_2O_{5(s)}$

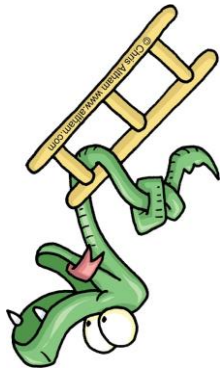


Raffles Girls' School (Secondary)

Card 47.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$KIO_{3(aq)} + XKI_{(aq)} + H_2SO_{4(aq)} \rightarrow I_{2(aq)} + H_2O_{(l)} + K_2SO_{4(aq)}$

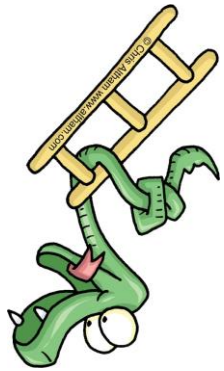


Raffles Girls' School (Secondary)

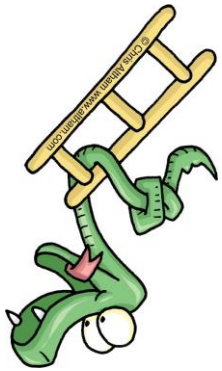
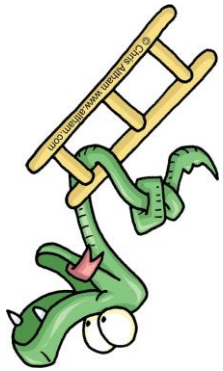
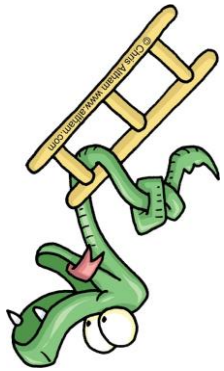
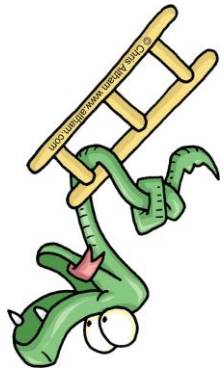
Card 48.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$NH_{3(g)} + XO_{2(g)} \rightarrow NO_{(g)} + H_2O_{(l)}$



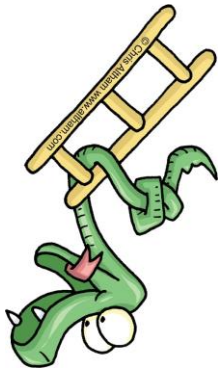
Raffles Girls' School (Secondary)

Card 49. Balance the chemical equation shown below and then move forward X number of spaces on the board: $Si_3H_{8(g)} + XO_{2(g)}$ ↓ $SiO_{2(s)} + H_2O_{(l)}$	**Card 50.** Balance the chemical equation shown below and then move forward X number of spaces on the board: $KMnO_{4(s)} + HCl_{(aq)}$ ↓ $KCl_{(aq)} + MnCl_{2(aq)}$ $+ XCl_{2(g)} + H_2O_{(l)}$	**Card 51.** Balance the chemical equation shown below and then move forward X number of spaces on the board: $Cu_2O_{(l)} + Cu_2S_{(l)}$ ↓ $XCu_{(l)} + SO_{2(g)}$	**Card 52.** Balance the chemical equation shown below and then move forward X number of spaces on the board: $XHNO_{3(aq)} + Fe_2O_{3(s)}$ ↓ $Fe(NO_3)_{3(aq)} + H_2O_{(l)}$
Chemical Equations  Raffles Girls' School (Secondary)	Chemical Equations  Raffles Girls' School (Secondary)	Chemical Equations  Raffles Girls' School (Secondary)	Chemical Equations  Raffles Girls' School (Secondary)

Card 53.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$X CH_3COOH_{(aq)} + Fe_2O_{3(s)} \rightarrow Fe(CH_3COO)_{3(aq)} + H_2O_{(l)}$$

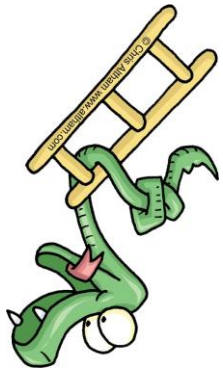


Raffles Girls' School (Secondary)

Card 54.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Cr_2O_7^{2-}{}_{(aq)} + H^+{}_{(aq)} + X e^- \rightarrow Cr^{3+}{}_{(aq)} + H_2O_{(l)}$$

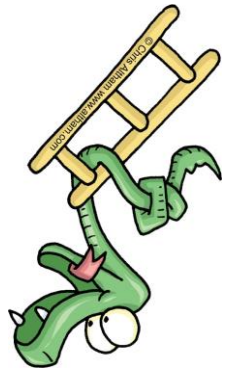


Raffles Girls' School (Secondary)

Card 55.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Al_2Cl_{6(s)} + X H_2O_{(l)} \rightarrow Al(OH)_{3(s)} + HCl_{(g)}$$

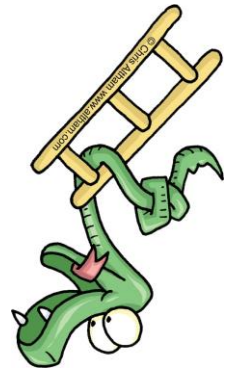


Raffles Girls' School (Secondary)

Card 56.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$$Al_{(s)} + X HCl_{(aq)} \rightarrow AlCl_{3(aq)} + H_{2(g)}$$



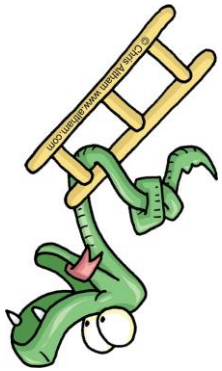
Raffles Girls' School (Secondary)

Card 57.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$C_6H_{12}O_{6(s)} + O_{2(g)}$
↓
$XCO_{2(g)} + H_2O_{(l)}$

Chemical Equations



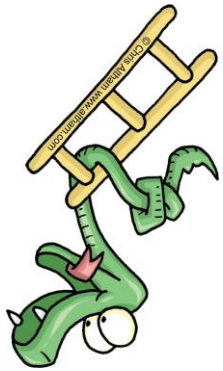
Raffles Girls' School (Secondary)

Card 58.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$Al_{(s)} + NaOH_{(aq)}$
$+ XH_2O_{(l)}$
↓
$NaAl(OH)_{4(aq)} + H_{2(g)}$

Chemical Equations



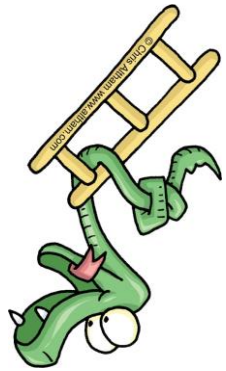
Raffles Girls' School (Secondary)

Card 59.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$Ca_3P_{2(s)} + XH_2O_{(l)}$
↓
$Ca(OH)_{2(aq)} + PH_{3(g)}$

Chemical Equations



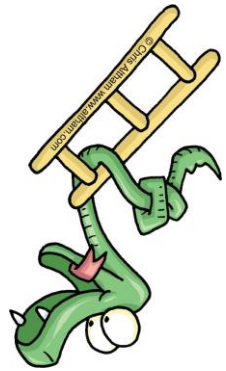
Raffles Girls' School (Secondary)

Card 60.

Balance the chemical equation shown below and then move forward X number of spaces on the board:

$C_3H_7OH_{(l)} + O_{2(g)}$
↓
$XCO_{2(g)} + H_2O_{(l)}$

Chemical Equations



Raffles Girls' School (Secondary)