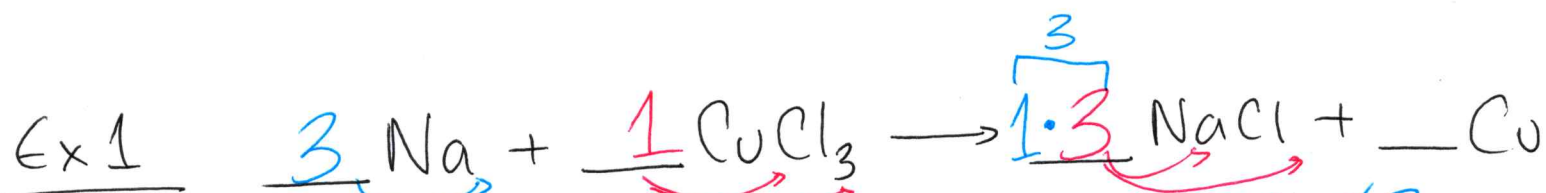
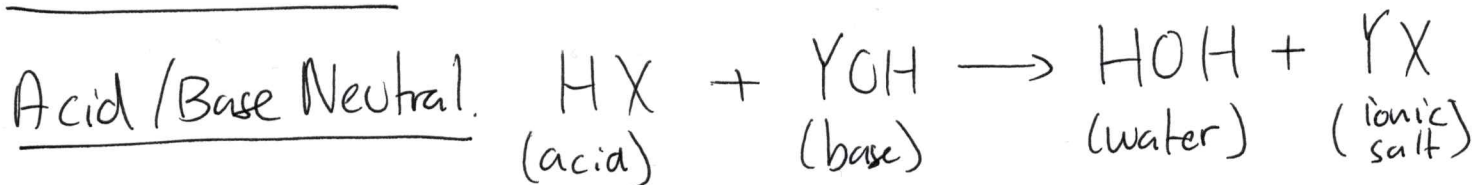
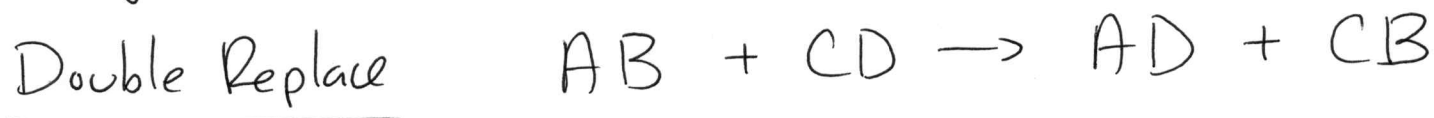
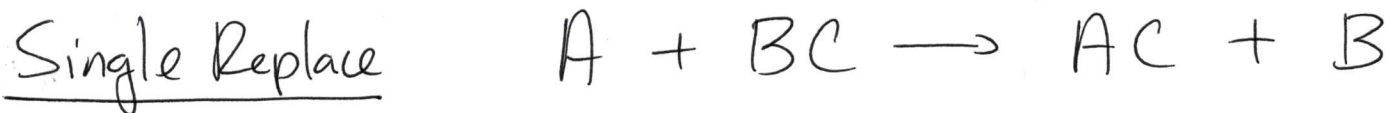


Noteset 5H (Part 2) - Example Problems

Balance the following equations (single/double replace.)



① count atoms

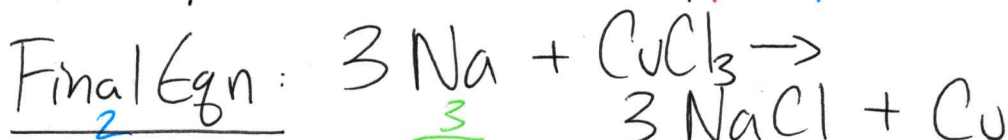
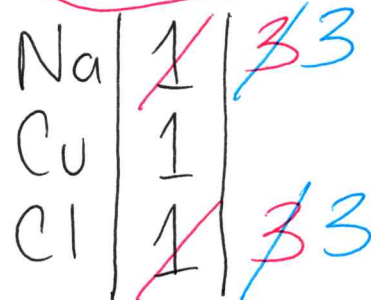
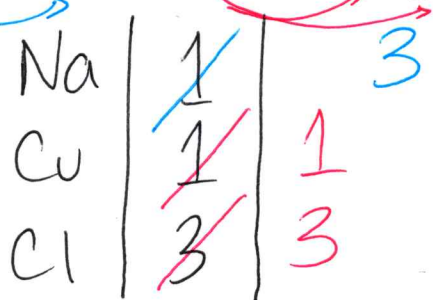
② balance Cl

$3 - 1 = 1:3$ ratio

③ balance Na

$1 - 3 = 3:1$ ratio

④ Check Balance ✓



① count atoms

② Balance Al
(leave O to end*)

$1 - 2, 2:1$ ratio

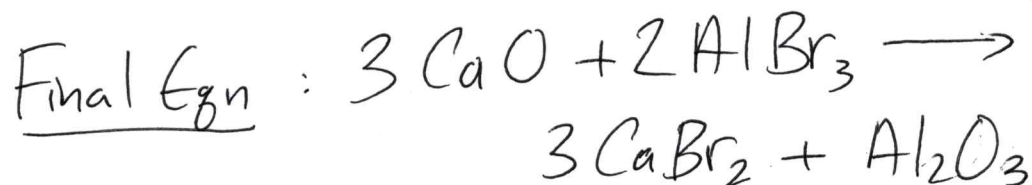
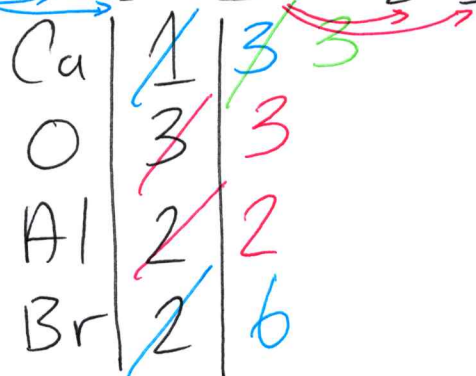
③ Balance Br

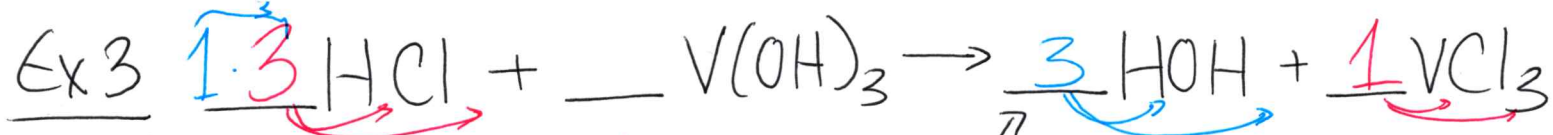
$6 - 2, 2:6$ ratio
(1:3 ratio)

④ Balance Ca

$1 - 3, 3:1$ ratio

⑤ Check Balance ✓





① count atoms

② balance Cl

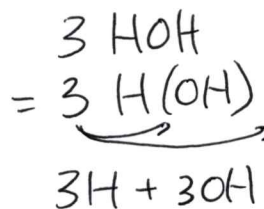
ratio 1-3, 3:1 ratio

③ balance H

ratio 3-1, 1:3 ratio

④ Check Balance ✓

H	1	3
Cl	1	3
V	1	
OH	3	



H	1	3
Cl	3	3
V	1	1
OH	3	3

OH^- is a single ion and is balanced whole i.e. $\text{NaOH} = 1 \text{ Na}$ and 1 O

