



Phone: +442081445350
www.chemistryonlinetuition.com
Email: asherrana@chemistryonlinetuition.com

CHEMISTRY

PHYSICAL CHEMISTRY

LEVEL & BOARD:	OCR (A - LEVEL)
TOPIC:	Compounds, Formulae & Equations
PAPER TYPE:	SOLUTION 4
TOTAL QUESTIONS	07
TOTAL MARKS	17

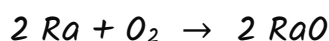
Compounds, Formula, Equation -4

a.1

- Iodide ion
 I^-

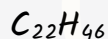
Q.2

- Equation between Radium and Oxygen



Q.3

- Molecular formula of alkane with 22 carbons
Molecular formula

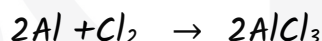


- So, Empirical formula would be



Q.4

- Reaction of Aluminum with chlorine



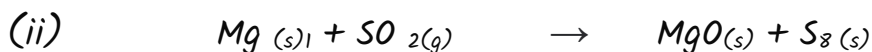
Q.5

- Silver chloride in the presence of sunlight decomposes to give metallic silver which is grey in colour,

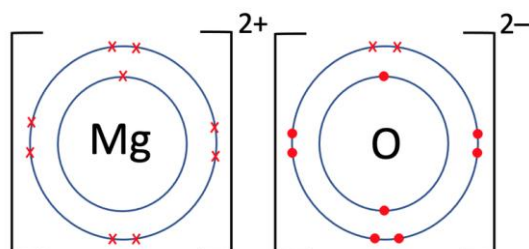


(b)

- Magnesium hydroxide is used to treat acidity and constipation



- (iii) Dot and cross diagram between magnesium oxide



Q.6

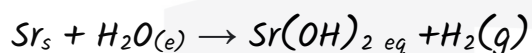
- Ions present in $Mg_3(PO_4)_2$ are

Mg^{2+} Cation

PO_4^{2-} Anion

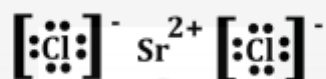
Q.7

- Strontium reaction with water



- (ii) Sr_3N_2 has ionic bonding present in it.

(iii) Dot and cross diagram for $SrCl_2$




DR. ASHAR RANA
M.B.B.S / MS. CHEMISTRY



CHEMISTRY ONLINE TUITION
Phone: +442081445350
www.chemistryonlinetuition.com
Email: asherrana@chemistryonlinetuition.com

- Founder & CEO of Chemistry Online Tuition Ltd.
- Completed Medicine (M.B.B.S) in 2007
- Tutoring students in UK and worldwide since 2008
- CIE & EDEXCEL Examiner since 2015
- Chemistry, Physics, Math's and Biology Tutor

CONTACT INFORMATION FOR CHEMISTRY ONLINE TUITION

- UK Contact: 02081445350
- International Phone/WhatsApp: 00442081445350
- Website: www.chemistryonlinetuition.com
- Email: asherrana@chemistryonlinetuition.com
- Address: 210-Old Brompton Road, London SW5 0BS, UK