



CHEMISTRY ONLINE
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CHEMISTRY

PHYSICAL CHEMISTRY

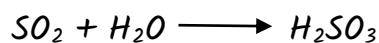
LEVEL & BOARD:	OCR (AS - LEVEL)
TOPIC:	Compounds, Formulae & Equations
PAPER TYPE:	SOLUTION 2
TOTAL QUESTIONS	07
TOTAL MARKS	17

Compounds, formula & Equation

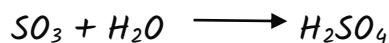
Q.1

(i)

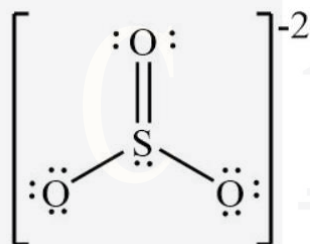
Reaction 1



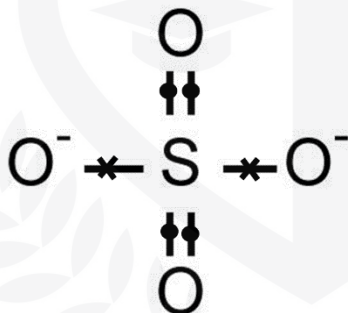
Reaction 2



(ii) Covalent bonding is present in a molecule of SO_3 . It has got three double bonds between Sulphur and oxygen atom.



(iii) Dot/cross Diagram of SO_4^{2-} - Sulfate ion



Q.2

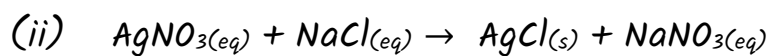
- Bromine reaction with Sodium

NaBr Formula of compound

Q.3

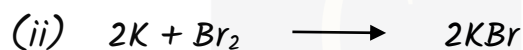
(a)

(i) During the reaction, formation of white Crystalline Solid would be observed

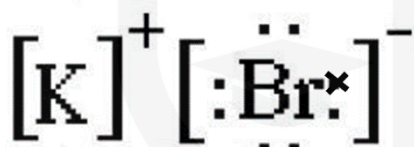


(b)

(i) Ammonium Sulfate



(iii) Dot/cross diagram for KBr

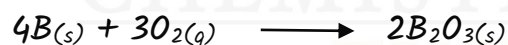


Q.4



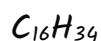
Q.5

Equation of reaction between Boron and Oxygen



Q.6

Alkene with sixteen carbons would have molecular formula as



Empirical formula would be



q.7

The ions present are:

Na^+ — Cation

PO_4^{-3} — Anion

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- Founder & CEO of Chemistry Online Tuition Ltd.
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