

PERIOD 3 OXIDES (A)

1	Magnesium oxide is formed when magnesium reacts with oxygen.	
	а	Write an equation for this reaction.
	b	Describe what you would see in this reaction.
	С	Write an equation for the reaction of magnesium oxide with water. Give the approximate pH of the solution formed.
		equationpH
	d	Explain why the reaction of sodium oxide reacts with water forms a solution that is more alkaline.
	е	Write an equation for the reaction of magnesium oxide with nitric acid.
2	Su	ılfur (IV) oxide is formed when sulfur reacts with oxygen.
	а	Write an equation for this reaction.
	b	Describe what you would see in this reaction.
	С	Write an equation for the reaction of sulfur (IV) with water. Give the approximate pH of the solution formed. equation pH
	d	Write an equation for the reaction of sulfur (IV) oxide with potassium hydroxide.
3		general terms, metal oxides are usually basic and non-metal oxides are usually acidic. Explain this difference terms of structure and bonding.
1	Wı	rite an equation for the reaction of sodium oxide with phosphorus oxide.

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