

Name : Date :

Ionic and Covalent Bonds Worksheet

Predict whether oxides formed by the following elements will be ionic or covalent.

Element	Type of Oxide	Formula (any correct compound)
Sodium		
Nitrogen		
Sulfur		
Magnesium		
Phosphorus		
Calcium		
Rubidium		
Iron		
Silicon		
Carbon		
Aluminum		
Boron		
Chlorine		
Lithium		

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Answers

Predict whether oxides formed by the following elements will be ionic or covalent.

Element	Type of Oxide	Formula (any correct compound)
Sodium	Ionic	Na_2O
Nitrogen	Covalent	NO_2
Sulfur	Covalent	S_2O_3
Magnesium	Ionic	MgO
Phosphorus	Covalent	P_2O_5
Calcium	Ionic	CaO
Rubidium	Ionic	Rb_2O
Iron	Ionic	Fe_2O_3
Silicon	Covalent	SiO_2
Carbon	Covalent	CO_2
Aluminum	Ionic	Al_2O_3
Boron	Covalent	B_2O_3
Chlorine	Covalent	ClO_2
Lithium	Ionic	Li_2O