

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 4H – Decomposition Reactions

20 Points

For the following reactions, write the products of each reaction following the template provided.

Show work for ionic compound

Diatomic Elements

H ₂	F ₂
N ₂	Cl ₂
O ₂	Br ₂
	I ₂

Reaction	HBr → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	Na ₂ O → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	<u>H₃P</u> → _____ + _____		
AB	→	A	+ B
H ₃ P	→	H ₂	+ P

Reaction	Zn ₃ N → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	H ₂ S → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	WS ₃ → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	HClO ₃ → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	NaBrO ₃ → _____ + _____		
AB	→	A	+ B
	→		+

Reaction	<u>H₃PO₄</u> → _____ + _____		
AB	→	A	+ B
H ₃ PO ₄	→	H ₂	+ PO ₄

Reaction	<u>Pb(SO₄)₂</u> → _____ + _____		
AB	→	A	+ B
Pb(SO ₄) ₂	→	Pb	+ SO ₄

element only (diatomic) poly. ion (inc. "4")

element only polyion (inside ())