For each of the following reactions, identify the type of reaction. In addition to identification, you must provide a characteristic of that type of reaction that helped you identify it.

47. 00	*	
1] CO ₂	>	$C + O_2$
2] NaCl + AgNO3	·>	NaNO ₃ + AgCI
3] S + Cl ₂	>	SCl ₂
4] BaCl ₂ + 2 NaOH	~~~~	2 NaCl + Ba(OH)2
5] Zn + CuSO4	> [‡]	ZnSO ₄ + Cu
$_{}$ 6] C ₄ H ₁₀ + 13 O ₂	>	8 CO ₂ + 10 H ₂ O
7] Pb(NO ₃) ₂ + Mg	>	$Pb + Mg(NO_3)_2$
8] Mg + 2 HCl	>	MgCl ₂ + H ₂
9] H ₂ SO ₄	>	$H_2 + S + 2O_2$
10] 2 O ₂ + N ₂	>	N ₂ O ₄
11] 3 CaBr ₂ + 2 Na ₃ P	>	Ca ₃ P ₂ + 6 NaBr
12] 2 KI + Br ₂	>	2 KBr + I2
13] C ₆ H ₁₂ O ₆	>	6 C + 6 H ₂ O
14] 2 NaF	>	2 Na + F ₂
15] Si + O ₂	>	SiO ₂
16] 2 NaI + Pb(NO ₃) ₂	>	2 NaNO ₃ + PbI ₂
17] NaI + Cs	>	CsI + Na
18] $H_2 + CO + O_2$		H ₂ CO ₃
19] Li ₃ PO ₄		3 Li + P + 2 O ₂
201 CS2 + 2 F2		CE4 + 28

How To Identify The Five Types of Reactions

Does the reaction have CO ₂ and H ₂ O as products?			
	Yes	No	
Comb Reacti			
Does the reaction have two reactants and one product?			
	Yes	No	
Synth React			
Does the reaction have one reactant and two products?			
	Yes	No	
Decor React	mposition ion		
Does the reaction have ions that switch partners?			
	Yes	No	
Doub Reac	ole Displacement tion		

If none of the above apply, then the reaction is a single displacement.