Quiz 13 Review

$Pb(BrO_3)_4$

$Pb, BrO_3, BrO_3, BrO_3, BrO_3$

$Pb_1(Br_1O_3)_4$

1 Pb 4 BrO_3 → 4 Br 12 O

$Pb(BrO_3)_4$

Pb :	1	207.20
Br :	4	79.90
O :	12	16.00

$Pb(BrO_3)_4$: 718.80 g/mol

Assign 6E Review

3. Convert 145.6g Na_2CO_3 to mol *

start: Na_2CO_3 — end

MM = 149.88 g/mol

$145.6\,g \times \frac{1\,mol}{149.88\,g} \div$

$= 0.97\,mol$

$149.88\,g = 1\,mol$

L → mol	
start	1 mol
	22.4 L

* g → mol

start	1 mol
	MM g

mol → g

start	MM g
	1 mol

mol → L

start	22.4 L
	1 mol

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Ag_2S ① Find MM

Ag_2S_1 Ag: 2
S: 1

Ag	2	* 107.87 g	+
S	1	* 32.07 g	

$MM = 247.81\ g/mol$ *

② Convert 156.3 g Ag_2S to mol Ag_2S

(MM = 1 mol = 247.81 g) *

$$156.3\ g \times \frac{1\ mol}{247.81\ g} \div$$

$$= 0.63\ mol\ Ag_2S$$


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Assign. 6G Review

3. Li_2MnO_4

① Find MM Li_2MnO_4

Li :	2	6.94
Mn :	1	54.94
O :	4	16.00

MM $Li_2MnO_4 = 135.82\ g/mol$

Start A g | 1 mol
MM_A g

② Convert 214.5 g Li_2MnO_4 to mol Li_2MnO_4

$$214.5\ g \times \frac{1\ mol}{135.82\ g}$$

$$= 1.58\ mol\ Li_2MnO_4$$