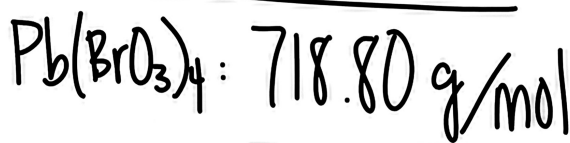
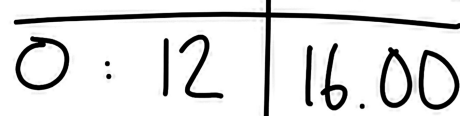
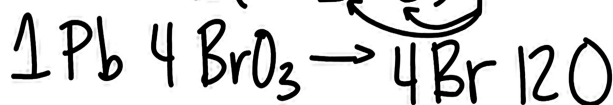
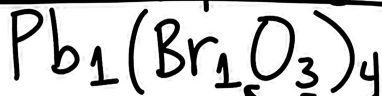
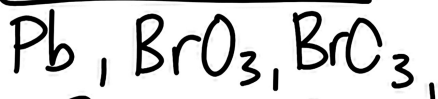


Quiz 13 Review



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Assign 6E Review

3. Convert $145.6 \text{ g Na}_2\text{CO}_3$ to mol *

$$\text{MM} = 149.88 \text{ g/mol}$$

$$145.6 \text{ g} \times \frac{1 \text{ mol}}{149.88 \text{ g}}$$

$$= 0.97 \text{ mol}$$

$$149.88 \text{ g} = 1 \text{ mol}$$

L → mol
start 1 mol
end 22.4 L

$$* \text{ g} \rightarrow \text{mol}$$

start	1 mol
end	MM g

mol → g
start MM g
end 1 mol

mol → L
start 22.4 L
end 1 mol

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Ag₂S ① Find MM

Ag₂S₁ Ag: 2
S: 1

Ag	2	× 107.87g
S	1	× 32.07g

MM = 247.81 g/mol*

② Convert 156.3g Ag₂S to mol Ag₂S

(MM = 1 mol = 247.81g)*

$$156.3 \cancel{\text{g}} \times \frac{1 \text{ mol}}{247.81 \cancel{\text{g}}} = 0.63 \text{ mol Ag}_2\text{S}$$

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Assign. 6 G Review

3. Li₂MnO₄

① Find MM Li₂MnO₄

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

MM Li₂MnO₄ = 135.82 g/mol

② Convert 214.5g Li₂MnO₄ to mol Li₂MnO₄

Start Ag | 1 mol

MM Ag

$$214.5 \cancel{\text{g}} \times \frac{1 \text{ mol}}{135.82 \cancel{\text{g}}} = 1.58 \text{ mol Li}_2\text{MnO}_4$$