Quiz 3.3 – Molar Mass

Name: Her

Question 1

Give the molar mass for the following substances:

Question 2

How many moles are in 2.50 g of each substance:

• NiSO₄·2 H₂O
$$M = 190.799/mol$$

• C₂H₅OH

$$M = \frac{190.799/mol}{190.799} = 0.0131 \text{ moles}$$

• C₂H₅OH

$$M = \frac{190.799/mol}{190.799} = 0.0573 \text{ moles}$$

• Question 3

Question 3

How many g are in $0.125 \ mol$ of each substance:

•
$$CH_2OM = 30.03 \% mol$$

• $CH_2OM = 30.03 \% mol$

• $CH_2OM = 30.03$

Question 4

Give the name or the chemical formula for each compound below:

Forumula	Name
$\mathrm{H_2SO}_3$	Sulfurous acid
HBIOY	Perbromic acid