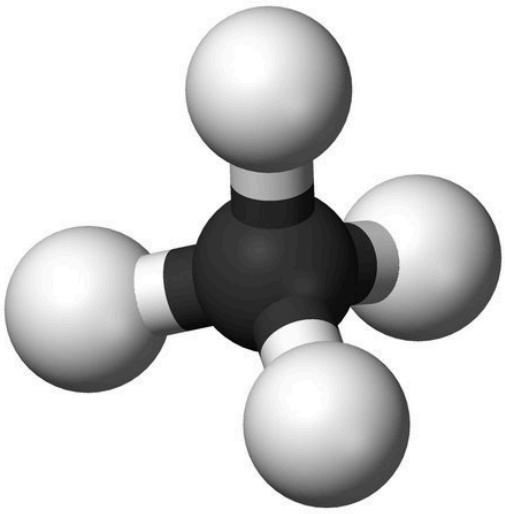
YUKON CHEMISTRY 11 (MCH--11) · UNIT B · 5 QUESTIONS

The Mole — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A ball-and-stick model of a methane molecule, with one carbon atom joined to four hydrogen atoms. The molar mass of methane, CH_4, is**



- **A** 12 g
- **B** 16 g
- **C** 20 g
- **D** 32 g

Understand It with Pulse | Flag a mistake

2 **Methane has molar mass 16 g per mole. The amount in 32 g of methane, in moles, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Oxygen gas has molar mass 32 g per mole. The mass of 2.5 moles of oxygen gas, in grams, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The number of molecules in 3 moles of carbon monoxide is about**

A 6.02×10^{23}

B 1.81×10^{24}

C 3.01×10^{23}

D 9.03×10^{23}

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5 **In magnesium oxide, MgO, the percent by mass of magnesium is**

A 40.0

B 60.0

C 50.0

D 33.3

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. 2
3. 80
4. B
5. B

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