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BSK1133 PHYSICAL CHEMISTRY

PRACTICE 2

PREPARED BY:

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PRACTICE 2
BY DR. YUEN MEI LIAN

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1. Calculate the pressure (in atm) exerted by 4.3 moles of a gas in a container of volume 7.6 L at 82 °C.
(Given: $R = 0.0821 \text{ L atm/ K mol}$)

2. Calculate the volume (in liters) occupied by 5.35 g of an unknown gas at STP.
(Given molar mass of the unknown gas = 18.5 g)

ANSWERS:

1. 16.49 atm

2. 6.4807 L

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