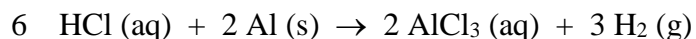


IDEAL GAS LAW & CHEMICAL REACTIONS**Exit Ticket 13**

1. What is the volume (in L) of 1.20 g of carbon monoxide gas at 8.00 °C and a pressure of 724 mmHg?

2. What is the pressure (in atm) of 1.23 g of CH₄ in a 3.22-L container at 37.0°C?

Hydrochloric acid reacts with aluminum metal to form hydrogen gas, as shown below. If 12.8 g of Al reacts with HCl, how many liters of H₂ are produced at 715 mmHg and 19.0°C?



3. How many liters of oxygen gas at STP are required to react completely with 5.4 g of aluminum, as shown below:

