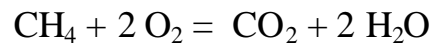


$$n(\text{CH}_4) = 1 \text{ mole}$$

$$M(\text{CO}_2) = \text{Ar}(\text{C}) + \text{Ar}(\text{O}) * 2 = 12 + 16 * 2 = 44$$

$$1 \text{ mole} \quad \times \text{ g}$$



$$1 \text{ mole} \quad 44$$

$$m(\text{CO}_2) = (1 * 44) / 1 = 44 \text{ g}$$

Answer provided by AssignmentExpert.com