

## Answers to Practice Problems H in page 322

### Answers to Practice Problems H

- 33 g Na
- 40.9 g  $\text{Fe}_2\text{O}_3$
- 121 g  $\text{NaHCO}_3$
- a. 168 g  $\text{NaHCO}_3$   
b.  $1.20 \times 10^2$  g  $\text{HC}_2\text{H}_3\text{O}_2$

### Homework — **GENERAL**

#### Additional Practice

- How many grams of  $\text{NaN}_3$  are needed to fill an air bag with 23.6 L of  $\text{N}_2$  (density = 0.92 g/L)?  
**Ans.** 33.6 g  $\text{NaN}_3$
- How many grams of  $\text{NaHCO}_3$  and acetic acid,  $\text{CH}_3\text{COOH}$ , would be needed to inflate an air bag to a volume of 65.1 L when  $\text{CO}_2$  gas has a density of 2.68 g/L? The other products are sodium acetate and water.  
**Ans.** 333 g  $\text{NaHCO}_3$ , 238 g  $\text{CH}_3\text{COOH}$

**LS** Logical