

**2007 AP<sup>®</sup> CHEMISTRY FREE-RESPONSE QUESTIONS**



- (f) Predict how the ratio of the equilibrium pressures,  $\frac{P_{\text{SO}_2}}{P_{\text{SO}_3}}$ , would change when the temperature of the uncatalyzed reaction mixture is increased. Justify your prediction.
- (g) How would the presence of a catalyst affect the change in the ratio described in part (f)? Explain.

**STOP**

**END OF EXAM**