

## **Standard Enthalpy Change of Formation**

Write chemical equations for the following enthalpy changes.

1.  $\Delta H_f^\ominus[\text{Na}_2\text{O}(\text{s})]$
2.  $\Delta H_f^\ominus[\text{CO}(\text{g})]$
3.  $\Delta H_f^\ominus[\text{K}_2\text{Cr}_2\text{O}_7(\text{s})]$
4.  $\Delta H_f^\ominus[\text{O}_2(\text{g})]$
5.  $\Delta H_f^\ominus[\text{CH}_3\text{CH}_2\text{OH}(\text{l})]$

## Suggested Answer

1.  $\Delta H_f^\ominus[\text{Na}_2\text{O}(s)]$



2.  $\Delta H_f^\ominus[\text{CO}(g)]$



3.  $\Delta H_f^\ominus[\text{K}_2\text{Cr}_2\text{O}_7(s)]$



4.  $\Delta H_f^\ominus[\text{O}_2(g)]$



5.  $\Delta H_f^\ominus[\text{CH}_3\text{CH}_2\text{OH}(l)]$

