

## Example 13.5

### Result

(a) 1mol H<sub>2</sub>O and 1 mol CO T=1100K P=1bar

(b) 1mol H<sub>2</sub>O and 1 mol CO T=1100K P=10bar

(c) 1mol H<sub>2</sub>O and 1 mol CO 2mol N<sub>2</sub> T=1100K P=1bar

(d) 2mol H<sub>2</sub>O and 1 mol CO T=1100K P=1bar

(e) 1mol H<sub>2</sub>O and 2 mol CO T=1100K P=1bar

(f) 1mol H<sub>2</sub>O and 1 mol CO 1mol CO<sub>2</sub> T=1100K P=1bar

(g) 1mol H<sub>2</sub>O and 1 mol CO T=1650K P=1bar

Fraction Of Steam Reacted in each case

0.5   0.5   0.5   0.334   0.334   0.333   0.36