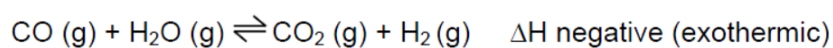


Equilibrium

2008

- 14 In the manufacture of hydrogen from methane and steam, carbon monoxide is produced as an unwanted side product. The amount of carbon monoxide is reduced by mixing the gases with steam when the following reversible reaction takes place.



When this reaction reaches equilibrium, which of the following changes would result in more carbon monoxide being removed?

- A Adding a catalyst
- B Increasing pressure
- C Decreasing pressure
- D Decreasing temperature
- E Adding nitrogen at constant pressure