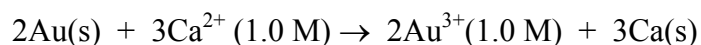


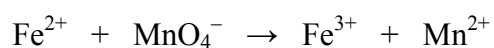
Marks
2

- Calculate the standard free-energy change for the following reaction at 298 K.

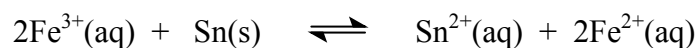


Answer:

Complete and balance the following equation for the reaction between iron(II) ions and permanganate ions in an acidic solution.

**2**

- What is the value of the equilibrium constant for the following reaction at 298 K?

**2**

Answer: