1. ₩	S 7	TUE	Y	CH	ECK

TAT		. 4							
Write	down	the:	torward	and	reverse	reactions	tor th	ne rea	action:

$$CO(g) + O_2(g) \rightleftharpoons CO_2(g)$$

▶ Answer:
$$CO(g) + O_2(g) \longrightarrow CO_2(g)$$
 and $CO(g) + O_2(g) \longleftarrow CO_2(g)$

Show work:

Write just the final answer here:

2. ♥ STUDY CHECK

The value of K_c for $F_2(g) \Longrightarrow 2 F(g)$ at 500K is 7×10^{-13} . Indicate whether the equilibrium mixture will contain mostly reactants, mostly products of both.

▶ Answer: mostly reactants.

Show work:

3. ♥ STUDY CHECK

Write down the expression of K_c for the following reaction: $Pb_{(Aq)}^{2+} + 2 \, I_{(Aq)}^- \Longrightarrow PbI_2(s)$.

Answer: $\frac{1}{\left[Pb^{2+}\right]\cdot\left[I^{-}\right]^{2}}$

Show work:

Write just the final answer here:

4. ♥ STUDY CHECK

For the following reaction

$$SO_2Cl_{2(g)} \Longrightarrow SO_{2(g)} + Cl_{2(g)}$$

The value of K_p at 300K is 0.05. Calculate the value of K_c at the same temperature.

► Answer: 2×10^{-3}

Show work:

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Write just the final answer here:

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