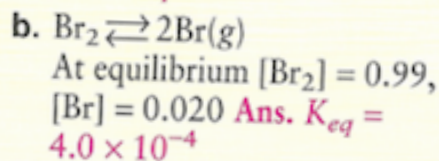
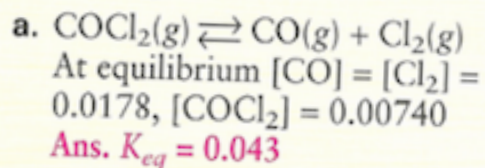


## Answers to Practice Problems page 504

### Homework

GENERAL

**Additional Practice** Calculate  $K_{eq}$  for the following reactions from the given data.



**S** Intrapersonal

### Answers to Practice Problems A

$$1. K_{eq} = \frac{[\text{N}_2\text{O}_4]}{[\text{NO}_2]^2} = \frac{(4.0 \times 10^{-2})}{(1.4 \times 10^{-1})^2} =$$

2.0

$$2. K_{eq} = \frac{[\text{SO}_3]^2}{([\text{SO}_2]^2[\text{O}_2])} = \frac{(1.01 \times 10^{-2})^2}{(3.61 \times 10^{-3})^2(6.11 \times 10^{-4})} =$$

$1.28 \times 10^4$