

Slide 1

Le Chatelier's Principle

A system under stress moves to
alleviate that stress.

Slide 2

$2 \text{H}_2(\text{g}) + \text{O}_2(\text{g}) \leftrightarrow 2 \text{H}_2\text{O}(\text{g})$
 $\Delta H^\circ = -285 \text{ kJ}$

If I increase the PRESSURE, the equilibrium
will:

A. Shift to the left.
B. Shift to the right.
C. Stay the same.

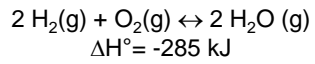
Slide 3

$2 \text{H}_2(\text{g}) + \text{O}_2(\text{g}) \leftrightarrow 2 \text{H}_2\text{O}(\text{g})$
 $\Delta H^\circ = -285 \text{ kJ}$

If I ADD OXYGEN, the equilibrium will:

A. Shift to the left.
B. Shift to the right.
C. Stay the same.

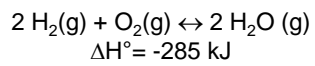
Slide 4



If I REMOVE WATER, the equilibrium will:

- A. Shift to the left.
- B. Shift to the right.
- C. Stay the same.

Slide 5



If I ADD HEAT, the equilibrium will:

- A. Shift to the left.
- B. Shift to the right.
- C. Stay the same.
