

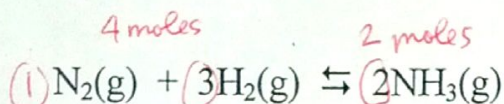
18 • Equilibrium

18.2 QUICK CHECK

Check off each item if you can do the question. Write down a question to ask if you cannot do the question.

Stress

Scratch Paper/Notes:



The volume of the container is changed from 2 L to 1 L. What is the stress?

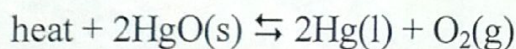
too little space ; an increase in pressure
 * system reacts by favoring the product side

Le Chatelier's Principle

Determine the direction of shift for each change, and how the amounts of each substance changes.



Add SO ₂	<u>↑</u>	<u>↔</u>	<u>↑</u>	<u>↓</u>
Add a catalyst	<u>—</u>		<u>—</u>	<u>—</u>
Remove O ₂	<u>↓</u>	<u>↔</u>	<u>↑</u>	<u>↓</u>
Decrease temperature	<u>↑</u>	<u>↔</u>	<u>↓</u>	<u>↓</u>
Decrease volume	<u>↑</u>	<u>↔</u>	<u>↓</u>	<u>↓</u>



Add O ₂ (g)	<u>↑</u>	<u>↔</u>	<u>↓</u>	<u>↑</u>
Add Hg(l)	<u>—</u>		<u>—</u>	<u>—</u>
Reduce volume	<u>—</u>	<u>↔</u>	<u>—</u>	<u>↓</u>
Remove some HgO(s)	<u>—</u>		<u>—</u>	<u>—</u>