

107. For an equilibrium $\text{H}_2\text{O}(s) \rightleftharpoons \text{H}_2\text{O}(l)$, which of the following statements is true?

- (a) The pressure changes do not affect the equilibrium
- (b) More of ice melts if pressure on the system is increased
- (c) More of liquid freezes if pressure on the system is increased
- (d) The pressure changes may increase or decrease the degree of advancement of the process

(b) Molar volume of $\text{H}_2\text{O}(s)$ is more than $\text{H}_2\text{O}(l)$
so on increasing pressure \Rightarrow formation of
 $\text{H}_2\text{O}(l)$.