1 Which of the following is true about the total entropy change, Stot?

A Stot = Ssys + Ssur
B Stot = Ssys + Hsur/T
C Stot = Ssys - Hsys/T
D All of the above

2 For the phase change s -> g (sublimation), what is true about Ssys at the sublimation temperature, Tsub?

A Ssys is always positive
B Ssys is always negative
C Ssys may be either positive or negative
D Ssys = 0

3 For the phase change s -> g (sublimation), what is true about Ssur at the sublimation temperature, Tsub?

A Ssur is always positive
B Ssur is always negative
C Ssur may be either positive or negative
D Ssur = 0

4 For the phase change s -> g (sublimation), what is true about Snet at the sublimation temperature, Tsub?

A Snet is always positive
B Snet is always negative
C Snet may be either positive or negative
D Snet = 0

5 At the sublimation temperature, Tsub, the total entropy change, Stot = Ssys - Hsys/T = 0. What is true for Snet for the phase change s -> g (sublimation) when T < Tsub?

A Stot < 0
B Stot = 0
C Stot > 0
D More information needed

6 At the sublimation temperature, Tsub, the total entropy change, Stot = Ssys - Hsys/T = 0. What is true Snet for the phase change s -> g (sublimation) when T > Tsub?

A Stot < 0
B Stot = 0
C Stot > 0
D More information needed