

cellulose

[CHM204] What is  $\Delta H_f^\circ$  for NaCl(s) having  $\Delta H_{sub}^\circ = +108\text{kJ}$ ,  $\Delta H_{diss}^\circ = +122\text{kJ}$ ,  $IE = 496\text{kJ}$ ,  $EA = -349\text{kJ}$ ,  $U = -788\text{kJ}$   $-411\text{kJ/mol}$

[CHM204] In graphite, the C-C bonds in the planes are very \_\_\_\_\_  
strong

[CHM204] What is X in equation:  $\text{Na}_{(s)} + \frac{1}{2}\text{Cl}_{2(g)} \xrightarrow{X} \text{NaCl}_{(s)}$   
 $\Delta H_f^\circ$

[CHM204] What is the chemical formula representation for hexaaquaaluminium ion?  
 $[\text{Al}(\text{H}_2\text{O})_6]^{3+}$

[CHM204] The coordinate covalent bond is also known as \_\_\_\_\_  
dative bond

[CHM204] Born-Haber cycle for the formation of an ionic compound was first used in  
\_\_\_\_\_  
1919

[CHM204] Atoms are bonded to each other in all directions in diamond, and  
in \_\_\_\_\_ directions in graphite  
two

[CHM204] The following compounds are electron deficient in nature except  
 $\text{H}_2\text{O}$

[CHM204] Which of the following compounds is a product of coordinate covalent bond  
 $(\text{NH}_4\text{Cl})$