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209 (608) 1:808/103/2-3-508/103/202)
MHC+10602-10607/203/103/2020

    A 46.2 gram sample of tin is heated to 95.4 C and then placed in a calorimeter containing 75.0 grams of water at 19.6 C. the final
water is 21.8 C. Calculate the specific heat capacity of tin, assuming all the heat lost by the tin is gained by the water.

   4) Secret ice cabes with a total mass of 475 grants are placed in a microwave oven and subjected to 7500 W (750 D/s) of energy for 5 minutes. What is final temperature of the water? (Assume the ice cubes have a temperature of 0 C when placed in the microwave, and assume all the energy of the oven is absorbed by the water and that no beat is lost from the water.) The heat of fusion for ice is 6.20 L/Janol.
            1411K) = [ 29/K(-37354)
   -3024 = ((1/-38/1)+3(-38/1))-(// 4 7(9)
             DG= D4-705
                            =(-3054)-(298)
                              -- 3057H-200K(-.087H) . 088K)
                                =-3026KJ
```