**The City School**

 **NORTH NAZIMABAD BOYS CAMPUS**

**W-SHEET**

**CLASS 10TH**

**THERMAL PHYSICS**

Q1.A Sauce pan is made mainly 0f steel but it has a c0pper b0tt0m and a handle made 0f w00d? Explain the reas0ns f0r the use 0f each 0f these materials

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Q2.0n a c0ld day,the steel handle bars 0n a bicycle feel c0lder than the rubber handlebar grips.explain why this is?

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Q3.Diagram A sh0ws tw0 metal r0ds X and Y that are made 0f different metals. They are the same length and thickness.They are c0ated with wax and the ends are fixed thr0ugh the walls 0f can h0t water is p0ured int0 the can and this sh0wn in diagram B wax begins t0 melt. After a few minutes the apparatus

Is sh0wn in diagram B



1. Explain why the wax melts
2. Explain why m0re wax melts n r0d Y than 0n r0d X

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Q5.In winter birds fluff up their feathers t0 keep warm.Explain why fluffing up the feathers helps birds t0 keep warm.

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Q6.Rewrite the f0ll0wing list 0f materials in 0rder 0f thermal c0nductivity.Write the best c0nduct0r first and p00rest c0nduct0r last

Aluminium

Ice

P0lysterene

C00per

W00d