	Date
Ex	Page No
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	Procedure -
	The unknown alloy is fut in an alumina per foruelain
	and blaced into the center, of the heating unl
2.	before staying the heating sun (temb) blease ensure that
	the set temperature is set above 250°C.
3,	After the set temperature is greated (Alloy is melted),
	suertch off the heating.
4.	The temperative readings are taken every 15-20 seconds.
	Result - The composition of Tin (Sn) and lead (Ple) in
	the sample somes out to be -
	Sn (Tin): 33./0 (approx)
	Pb (lead): 67% (approx)
	TO (USA) OT / (Approx)
	Precautions -
	Do not touch solid Plo-Sn alloy.
1.	Do not touch thermoroubles.
2.	
3.	Use stopwatch to court the time and temperature.
4.	Note temperature carefully (without rounding off, only
	greating).
	Teacher's Signature



Aim - To study the cooling cover of a given Pb - Sn alloy and determine its composition.

Materials Required - Alloy, alumina or porcelair countile, heating wit.

Observation Table -

	when the	- make	1,4
Time (sec)	Temp (°C)	Time (sec)	Temp (°C)
0	280	190	270.1
10	2,8,0	200	269.5
20	279.8	210	- 268
30	27924	220	267.1
40	.279	230	266.5
50	278.7	240	265.5
60	278:5	2 50	264.4
70	278	260	263.7
80,	277:6	270	263
90	277.2	280	262
100	276	290	261.3
110	275.2	300	260.4
120	274.8	310	259.7
130	274.2	320	₹58.9
140	273.6	330	258.2
150	272.9	340	257.3
160	272 ∙ ર	350	256.8
170	271.5	360	⋧55∙7
180	270.9	3 70	254.8
	1		

			Halek
Time (sec)	Temp (°C)	Time (sec)	Temp (°C)
38D 390	254·1 253	640 650	234·3 233·4
400	252·3	660	232:9
410	251.5	670	232.4
420	250.7	680 x 690	231·8 231·4
430	250·2 250 × 41	700	230.7
440 450	249.4	2 2.710	230.2
460	248.5	720	229.9
470	247:6	730	229.3
480	246.6	740 750	228.1
490 500	245.3	760	227.6
510	244.6	770	226.9
520	243.8	780	226.4 225.8
530	242.9 241.9	790 800	225 · 2
540	241.1	810	224.7
550 560	240	820	224.1
570	239.3	8 30	223.4
580	238.6	840	222.7
590	238 237·	850 860	221.6
600	236.2	870	221
620	235.6	880	220.4
630	235	890	219.7

			Hehek
Time (see)	Temp (°C)	Time (see)	Temp (°C)
900	219.1	1160	199.4
910	218.5	1170	198.5
920	217.9	1180	197.7
930	216.9	1190	197
940	216.2	1200	196.2
950	215.5	1210	195.4
960	રા5	1220	194.7
970	214.1	1230	194
089	213.5	1240	193.3
990	212.7	1250	192.6
1000	211.9	1260	191.9
1010	211.4	1270	191.1
1020	210.5	1280	190.4
1030	210	1290	192.8
1040	209.2	1300	189 · 1
1050	208.8	1310	188.4
1060	207.7	1320	187.2
1070	206.3	1330	186.5
1080	205.6	1340	185.9
1090	204.9	1350	185.9
1100	204	1360	185.8
1110	203.1	1370	186
1120	505.3	1380	186.2
1130	201.4	1390	186
1140	200.8	1400	186.2
1150	200	1410	186.2

		And the state of t	Hallel
Time (sec)	Temp (°C)	Time (see)	Temp (°C)
1420	186 · 2	1680	186
1430	186.3	1690	185.9
1440	186.3	1700	186.1
1450	186.3	In 1710 -	186.1
1460	186.5	1720	7 186
1470	186.3	1730	185.9
1480	186:4	1740	185.9
1490	186.4	1750	185.9
1500	186.4	1760	1.85.9
1510	186.2 -	1770	185.9
1520	186.5	1780	185.8
1530	186.2	1790	185.8
1540	186,5	1800	185.6
1550	186,1	1810	185.3
1560	186.1	1820	[85.3
1570	186 · 1	1830	185.3
1580	186.1	1840	185.2
1590	186,1	1850	185.1
1600	186	1860	185
1610	188	1870	184.7
1620	186	1880	184.2
1630	186	1890	183.6
1640	186	1900	183.1
1650	186	1910	181
1660	186	1920	179.3
1670	186	1930	177.6
	4,		

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Time (xe)	Temp (°C)
1940	176
1950	174.3
1960	172.8
1970	171.2
1980	176.9
1990	168.3
2000	166.7
2010	165.4
2020	164
2030	162.7
2040	161.4
205○	160.2
2060	159.9
2070	156.8
2080	155.8
2090	155
2100	154.1
2110	153.4
2120	152.7
2130	152.2
2140	151.9
2150	151.3
2160	150.9
2170	150.4
2180	159.8





