

IC2 - L3 Melting Point Data – Name:

	Fat	Soap
Set-up		
Melting		

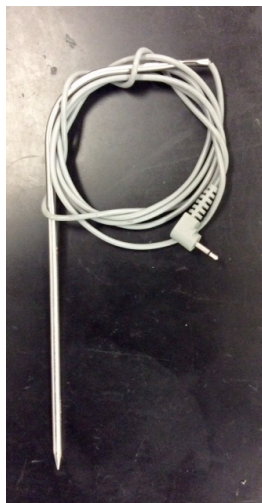
IC2 - L3 Melting Point Procedures 2017

1. All tables are testing soap and fat. Even numbered tables are using 5 grams of substance. Odd numbered tables are using 10 grams of substance.
2. __A__ Put 50ml of tap water in each 250 ml beaker. Just use the marks on the side of the beaker to measure.
3. ____ Place large beakers on hot plate. Plug in hot plate and turn onto Level 5. Turn down to level 2 when it boils, but continue with steps 4 – 7 while you wait for it to boil
4. ____ Place ____ g of soap in one small beaker.
5. ____ Place ____g of fat in the other small beaker.
6. ____ & ____ Record starting temp (C) of substance.
7. ____ Place one small beaker in each large beaker. All group members take a photo of your set-up and put in your data table above.
8. ____ Turn hot plate down to 2 when water boils.
9. ____ & ____ Without letting the probe tip touch the bottom of the beaker, record temp of substance as soon as it starts to melt. Take a photo and put in your data table above.
10. Repeat step 9 when all of the substance has melted.
11. ____ Unplug hot plate & Turn thermometer off.
12. ____ Clean all glassware at your assigned sink, using hot water and soap, and place upside down in tub.
13. Tub should be neatly organized (see a & b below and photos on next page)
 - a. ____ Scale and thermometers in plastic cup.
 - b. ____ Thermometer probe cords unplugged, coiled, and upright in plastic cup.
14. ____ Wipe down your counter area and table with a damp rag.
15. ____ Fold the rag and place next to your tub in the center of your table.
16. I will dismiss you by table, so your group needs to be seated and silent.

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Temp Probe

Tub STEP 16



Science Rocks!