

Jump Start #1 B

1) Rank the IMFs from weakest to strongest:

H-Bond

Dipole-Dipole

London Dispersion

2) Fill in the blank with either the word **INCREASES** or **DECREASES**:

Melting and Boiling point _____ with increasing intermolecular forces.

3) Which molecule will have only LDF:

NaCl,

CH₄,

H₂O,

HCl

Agenda

1. Jump Start
2. Sorting Activity
3. IMF Handout
4. Exit Ticket



IMF Sorting and Ranking Activity

Target: I can categorize IMFs based on type, and rank them based on strength

Understand	Identify	Predict

IMF Sorting Activity

GOAL #1

To identify type of IMF present

Group molecule cards into piles based on the dominant IMF present.

GOAL #2

To rank properties based on type of IMF present

Predict the boiling point (high vs low) of a molecule by first identifying the dominant IMF present.

Seating/Grouping For the Activity

Bench #1	Red Even
Bench #2	Red Odd
Bench #3	Yellow Even
Bench #4	Yellow Odd
Bench #5	Green Even
Bench #6	Green Odd
Bench #7	Blue Even
Bench #8	Blue Odd

What to do?

- 1) Sort the cards
- 2) Have your answers checked
- 3) Transfer answers to your paper

Learning Check

- 1) Answer the question on a Post-It
- 2) Stick it on the chart next to the door on your way out

Stick it on the box with your seat #

Exit Ticket!

	Polar or Non Polar	Dominant IMF
CO₂		
NH₃		
HBr		