

Post-Lab Questions

1. Which of the compounds used in the lab are ionic?

2. Which of the compounds used in the lab are covalent/molecular?

3. Which type of compound has the lower melting points - ionic or molecular?

4. Which type of compound is the better conductor - ionic or molecular?

5. Which of the compounds was the best conductor? _____

6. a) Did all ionic compounds dissolve in water? _____

b) Did all molecular compounds dissolve in water? _____

7. Classify each compound as ionic or molecular based on its properties.

Substance	Melting Point	Flame	Conductivity	Classification
1	-55 °C	none	poor	
2	396 °C	pink	good	
3	0 °C	not tested	poor	
4	200 °C	green	good	
5	20 °C	none	poor	