

Name _____

The Magical World of Van der Waals Forces

Open-Ended Response Questions

1. Imagine you have a container with two liquids, one with strong Van der Waals forces and the other with weak forces. How would you expect their boiling and melting points to compare, and why?
2. In your own words, explain why adhesion and cohesion are important properties of water due to Van der Waals forces.
3. How can Van der Waals forces be both attractive and repulsive between molecules? Provide an example for each case.
4. Think of a real-life scenario where understanding Van der Waals forces would be beneficial. Explain how this knowledge could be applied.

