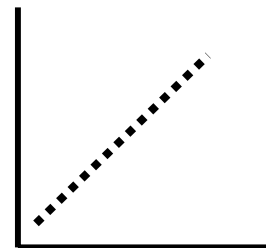


Quiz: Ch 10 & 11
AP Chem
Version G (30 pts)

Name:
Date:
Period:

1. (12 pts) The graph at right represents data taken for a gas. Unfortunately, some of the graph was smudged and the axes labels were lost.

- In 2-3 sentences each, describe 2 gas property relationships that this graph could be representing.
- Be sure to state which property is measured on the x-axis and which is measured on the y-axis and why.



a.

b.

2. (6 pts) Give three specific reasons why van der Waals created his famous gas equation.

a.

b.

c.

3. (12 pts) Consider H_2 , HF, and HCl.
- Which would most ideal? Explain.

- List all the “intermolecular forces” present in each substance.

H_2

HF

HCl.

- Which substance should have the lowest boiling point? Explain.