## 110 Graphing

- Objectives

  1. Explain why we use graphs
  2. Identify the key features of a line graph
  3. Draw the line or curve of best fit
- 4. Distinguish between direct, indirect, and inverse graphs5. Distinguish between interpolation and extrapolation



10.1 Graphing	
	Boiling Point Versus Atomic Number for He, Ne, Ar, Kr, and Xe
	200.
	150.
	Boiling Point (K)
	g 100.
	Boilir
	50.
	0
	0 20 40 60 Atomic Number
10.2 Features of a line graph	
	Pressure Versus Volume of a Gas Sample
	of a Gas Sample
	0.0
	5.0
	€ 4.0
	3.0 - (atm)
	3.0
	2.0
	- 2.0
	1.0
	0 + 200 200 200 100
	300 600 900 1200 Volume (mL)
	Totalia (iii.)

110.3 Line of Best Fit		
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110.4 Direct, Indirect, and Inve	rse Graphs	
110.5 Interpolation and extrapo	olation	X X X X
		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX