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Focus on Graphing

47. These steps represent processes that absorb energy.
48. These steps represent processes that release energy.
49. An electron is being added to a chlorine atom, releasing energy in the process.
50. sodium atoms(g) + energy \rightarrow sodium ions(g) + electrons
51. the step between points E and F
52. $400 \text{ kJ/mol} \times 2.5 \text{ mol} = 1000 \text{ kJ}$