**Check Your Understanding Summary Answer Key**

1. **The most basic units used by electrical engineers are:**

**I: current, R: resistance, V: voltage G: ground**

1. **Draw the symbols or units used by electrical engineers.**

**I: mA, A, amp R: Ω, ohms V: V, volts G:**

1. **What are some current applications of tactile feedback systems that use force sensors?
Please list and then describe how each system works.**

**Automotive seat testing: Conduct seat comfort and ingress-egress testing.**

**Bite force measurement of reptiles: Differentiating the bite force of different species of lizards.**

**Brake pad pressure distribution: Measure, view and evaluate dynamic forces acting between brake pads and rotors.**

**Footwear research and development: Determine locations of foot pressure and force amounts.**

1. **What is the importance of calibrating the tactile feedback systems correctly?**

**All tactile feedback systems must be calibrated correctly in order to produce meaningful data.**

1. **What is the importance of a curve model in any application?**

**The studying of these models gives us a better understanding of the behavior and relationships among variables. In most cases, models are an effective and efficient method to simulate solutions to real-world problems.**