

### **Answer on Question#39264 – Physics – Electric Circuits**

what is current?

#### **Solution:**

Current is a flow of electrical charge carriers, usually electrons or electron-deficient atoms. The common symbol for current is the uppercase letter  $I$ . The standard unit is the ampere, symbolized by  $A$ . One ampere of current represents one coulomb of electrical charge ( $6.24 \times 10^{18}$  charge carriers) moving past a specific point in one second.

Physicists consider current to flow from relatively positive points to relatively negative points; this is called conventional current or Franklin current. Electrons, the most common charge carriers, are negatively charged. They flow from relatively negative points to relatively positive points.