202: Principles of electrical science  
**Worksheet 1: Principles of electricity**

**Answer guide**

Using your notes, answer the following questions.

1. **Name the two main parts of the atom.**

Proton, electron

1. **Which part has a negative charge?**

Electron

1. **Which part has a positive charge?**

Proton

1. **In electron current theory, in which direction do the electrons flow?**

From negative to positive

1. **What is the charge state of an atom with an extra electron?**

Negative

1. **What is conventional current flow?**

From positive to negative

1. **State three effects of an electric current.**

* Thermal
* Chemical
* Magnetic