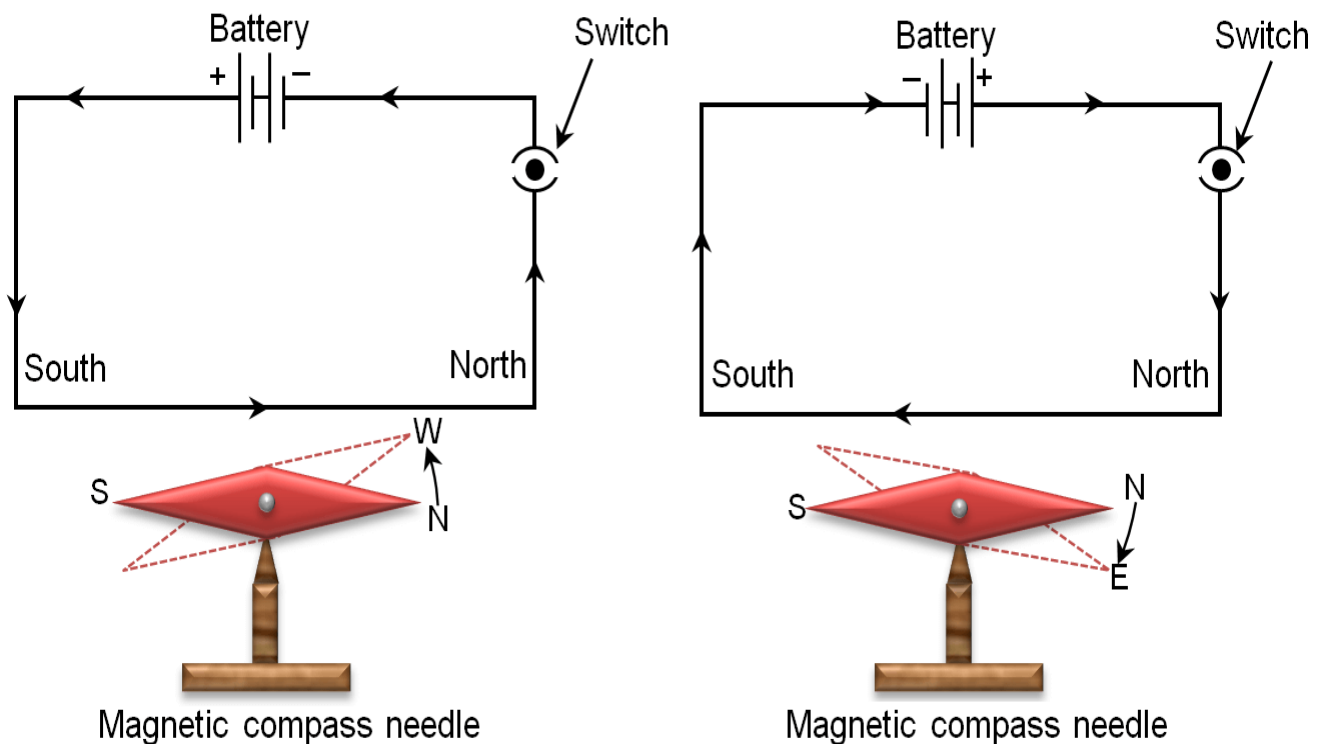


**CHAPTER 2. (MAGNETIC EFFECTS OF AN ELECTRIC CURRENT) (BASED ON NCERT PATTERN)**

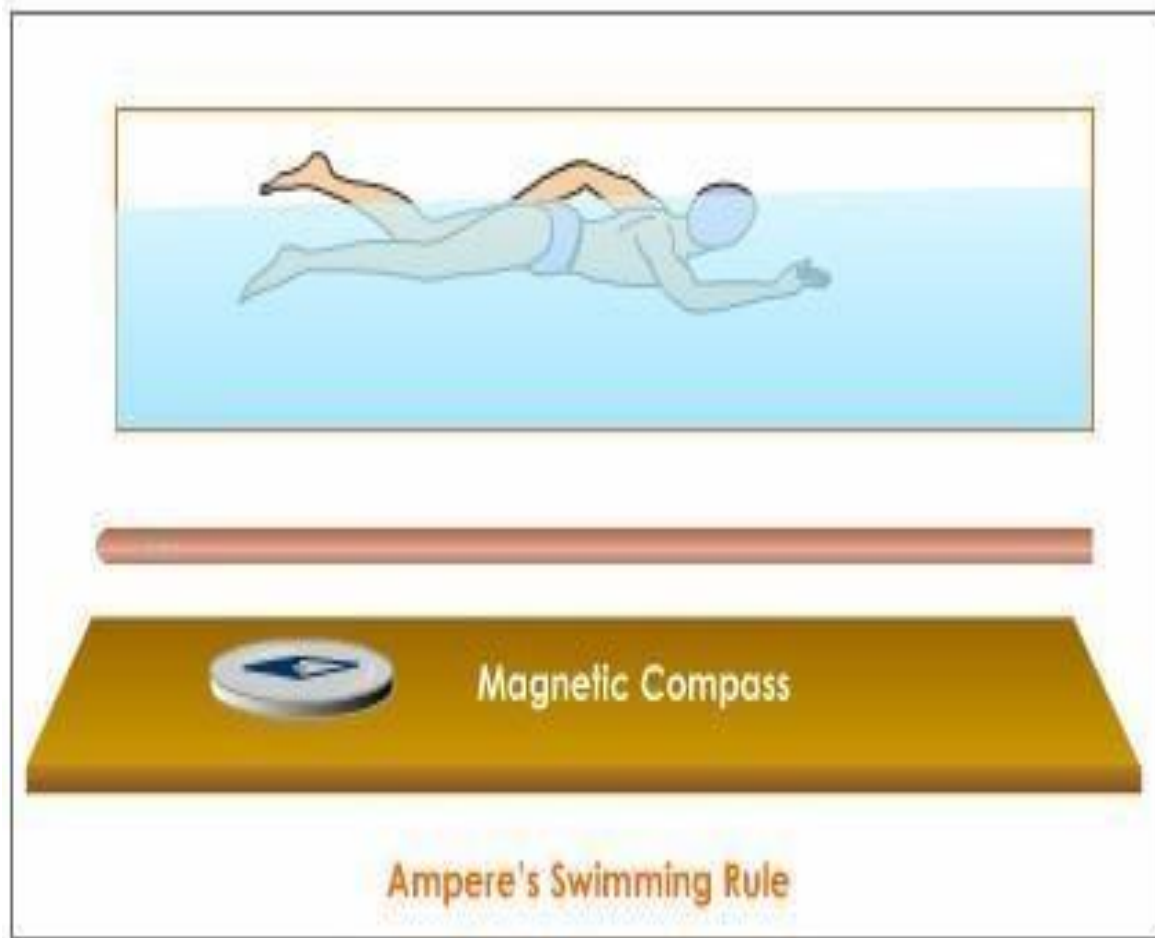
**Oersted's experiment :-**

He conducted an experiment and proved that a wire carrying an electric current produces a magnetic field around it. The direction of magnetic field was confirmed by the deflection of magnetic needle kept near the current carrying conductor or we can say near the circuit.

**The rules that are list above are shown in diagram:-**



**Ampere swimming rule:** Suppose a person is swimming in the direction of current such that current enters the man through his feet and leaves his body through his head, then the magnetic needle kept below it will get deflected towards it.



**Snow rule:** According to this rule, when the current flows from the south to the north, the needle deflects towards the west.