**IB Physics**

**Pre-Quiz 20.1**

Name

Favorite Oxymoron

**Label the direction of the quantity listed in the location indicated. ( . = out of the page, x = into the page)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | XXXXx**.****.**^<> |  |  |  |
| **2** | IB?I?B?B . . . . . . .B x x x x x x xB?B?Ix.>x . |  |  |  |
| **3** | **Which way does the north pole point?**IINS.x^^ | **Which way does the north pole point?** | **Which way does the north pole point?****(Current flow L to R on Front of coil)** | **Which way does the current flow on the front side of this coil** |
| **4** | **F ?**B:x x x x x x xx x x x x x xx x x x x x xx x x x x x xIIB:IFB:. . . . . . .. . . . . . .. . . . . . .. . . . . . .F^xx^ | **F ?** | **B ? (That causes the force)** | **I ?** |
| **5** | **Which way is the force on the moving particle?**B:. . . . . . .. . . . . . .. . . . . . .. . . . . . .B:. . . . . . .. . . . . . .. . . . . . .. . . . . . .NW ESNW ES<vW. | **Which way is the force on the moving particle?** | **Which way must a proton move to experience a vertically downward force in a northerly magnetic field?** | **An electron moving east experiences a force to the north. B is what way?** |