

**Concept-Development
Practice Page****36-1****Magnetism***Fill in each blank with the appropriate word.*

1. Attraction or repulsion of charges depends on their *signs*, positives or negatives. Attraction or repulsion of magnets depends on their magnetic _____:

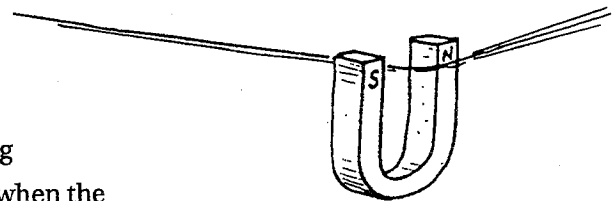
_____ or _____.

YOU HAVE A MAGNETIC PERSONALITY!



2. Opposite poles attract; like poles _____.
3. A magnetic field is produced by the _____ of electric charge.
4. Clusters of magnetically aligned atoms are magnetic _____.
5. A magnetic _____ surrounds a current-carrying wire.
6. When a current-carrying wire is made to form a coil around a piece of iron, the result is an _____.

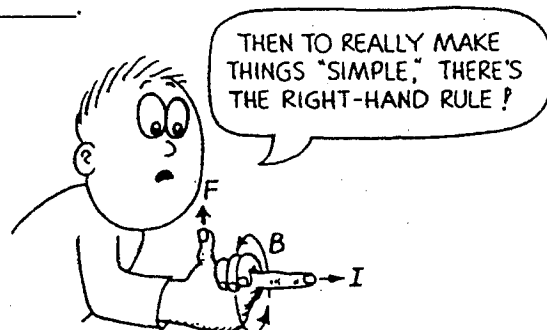
7. A charged particle moving in a magnetic field experiences a deflecting _____ that is maximum when the charge moves _____ to the field.



8. A current-carrying wire experiences a deflecting _____ that is maximum when the wire and magnetic field are _____ to one another.

9. A simple instrument designed to detect electric current is the _____; when calibrated to measure current, it is an _____; when calibrated to measure voltage, it is a _____.

10. The largest size magnet in the world is the _____ itself.

**Conceptual PHYSICS**