| + shows compatibility (positive reaction) |
| - shows damping (negative reaction) |

**GENERAL APPLICATIONS OF GENETICS**

Genetics is used in the following:

1. Crime detection
2. Blood transfusion
3. Determination of paternity
4. Sex determination
5. Blood group
6. Sickle cell anemia
7. Mutation
8. Rhesus factor
9. Color blindness
10. Hemophilia (inability of the blood to clot)