

BIRTH DEFECTS CHART

| Disease/ Birth Defects | Method of Inheritance or Type of Defect (Use your study guide section B #4-10.) | When is it detected and the Effects on the person | *Heredity / Genetics *Environment or *Both | Treatment |
|------------------------------------|--|---|---|--|
| Cerebral Palsy | Perinatal damage Damage to one or more parts of the brain that control movement before, during, or shortly after birth. | <ul style="list-style-type: none"> - Detected during the first year of life. Baby does not develop motor skills at the general rate for children. Lack of control of movement and posture. | Environmental | Special treatment plan Special medication Physical therapy Surgery |
| Cleft lip/ Cleft Palate | Congenital malformation Multi-factoral | <ul style="list-style-type: none"> - Detected at birth Two sides of lip and/or pallet not joined causing problems with eating, swallowing, and speech. | Both | surgery |
| Clubfoot | Congenital malformation Multi-factoral | <ul style="list-style-type: none"> - Detected at birth Foot and ankle twisted, making it impossible to walk normally | Both | Surgery Corrective shoes |
| Cystic Fibrosis | Recessive disorder | <ul style="list-style-type: none"> - Birth to 6 months and some in adulthood - Lack of enzyme. Mucous obstructions in the body, especially lungs and digestion causing respiratory problems; growth retardation | Genetics / Heredity | No cure. Respiratory help, special diet, and physical therapy |
| Down's Syndrome | Chromosomal error -- extra 21 st chromosome | <ul style="list-style-type: none"> - Detected at birth Some form of mental retardation, oval shaped eyes, thick big tongue, , short neck, back of head is flat, small ears, flat and wide nose, short and loose joints, common heart problems. | Heredity / Genetics | Surgery for heart therapy, Special assistance will help the person to function more effectively, may need corrective surgery for malformations. |
| Fetal Alcohol Syndrome | Perinatal | <ul style="list-style-type: none"> - Detected at birth or in early childhood. - Some form of mental retardation. Facial abnormalities and Deformed limbs. | Environment | Special assistance |
| Muscular Dystrophy | Multi-factoral Sex-linked (x) | <ul style="list-style-type: none"> - Early childhood to adulthood Weakening of muscles. Inability to walk, move, wasting away and sometimes death | Both | None. Physical therapy can minimize physical disabilities. |
| PKU | Recessive disorder Metabolic defects | <ul style="list-style-type: none"> - Detected at birth Abnormal digestion of protein, mental retardation and hyperactivity | Heredity / Genetics | Preventable diet. Screenings that begin with a blood test 24 hours and then again 4-6 weeks after birth. |

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| Spina Bifida and Neural Tube Defects | Multi-factoral Perinatal damage | - Detected at birth Varying degrees from slight cyst to open spine (sores, infertile, legs, paralyzed, poor bladder and bowel control, death) Underdeveloped or missing brain OR spinal cord and it could result in death. | Both | Surgery Physical therapy |
| Sickle Cell Anemia | Recessive disorder Blood disorder | - Birth to 6 months Abnormal blood cells, bout of pain, heart and kidney failure, less oxygen to all parts of the body. Death in childhood. Damage to adult vital organs | Heredity / Genetics | Blood transfusions |
| Choose 1 Drug Related Birth defect | | | | |
| Choose 1 Sexually Transmitted Disease /Infection Related birth defect. | | | | |

1. Learning about genetics, heredity, and birth defects has helped to prepare me to become a parent by....

2. How are you going to use this new information to better your future?