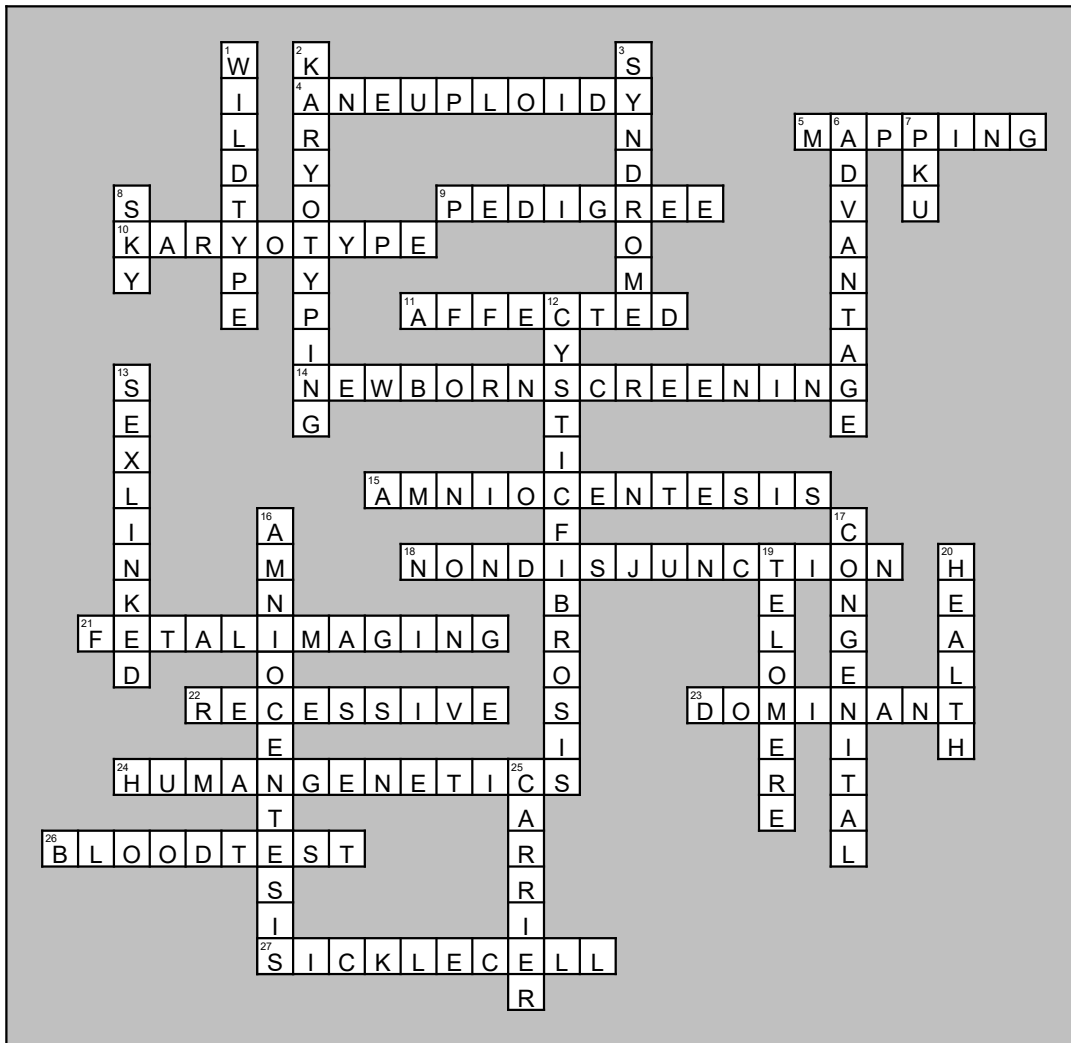


Crossword



Across

- Autosomal dominance in which individuals have one extra or one less chromosome. Down, Turner, Klinefelter syndromes.
- Karyotype ___ uses dyes to color chromosomes and match homologous pairs by size and shape.
- Graphic model showing the inheritance of a trait in a family through multiple generations.
- A "map" of chromosomes, like a police line up.
- Person who has the genetic disease.
- Detects diseases immediately after birth.
- The removal of fetal fluid during pregnancy to test for chemical and cellular analysis.
- Aneuploidy is caused by ___ in which chromosomes do not separate normally during meiosis.
- Ultrasound, enables examination of fetus directly for deformities.
- Autosomal ___ traits, like albinism, sickle cell, and cystic fibrosis occur when affected person has both alleles.
- Autosomal ___ disease based one one allele masking the other. Huntington's disease, dwarfism, and aneuploidy.
- The development of ___ has been limited due to ethics, limited offspring, and environmental influences.
- Taken on the mother to help identify fetuses at risk of birth defects.
- Autosomal recessive diseases that affects hemoglobin (the shape of RBC's) in those of African descent.

Down

- Traits that are observed most often in nature, not necessarily due to dominant alleles.
- The preparation of an enlarged photograph showing paired homologous chromosomes from a cell.
- Many genetic diseases results in common problems associated with specific chromosomal mutation.
- Heterozygous ___ occurs in autosomal recessive traits that bolster ones immunity to certain diseases. e.g. sickle cell carriers are immune to malaria.
- Autosomal recessive disease Phenylketonuria is caused by a lack of an enzyme so phenylalanine builds up and causes retardation.
- Spectral karyotyping that dyes chromosomes different colors for ease of matching.
- Autosomal recessive disease in caucasians that causes breathing issues and infections.
- Traits produced by genes only on the gametes. Hemophilia, color blindness.
- Extracts samples of amniotic fluid containing fetal cells.
- "Born with" it.
- The end of the chromosome which degrades after each duplication.
- Physical, emotional, social, spiritual, vocational, and intellectual factors all contribute to this.
- Person who do not have the genetic disease by possesses a gene for the disease.