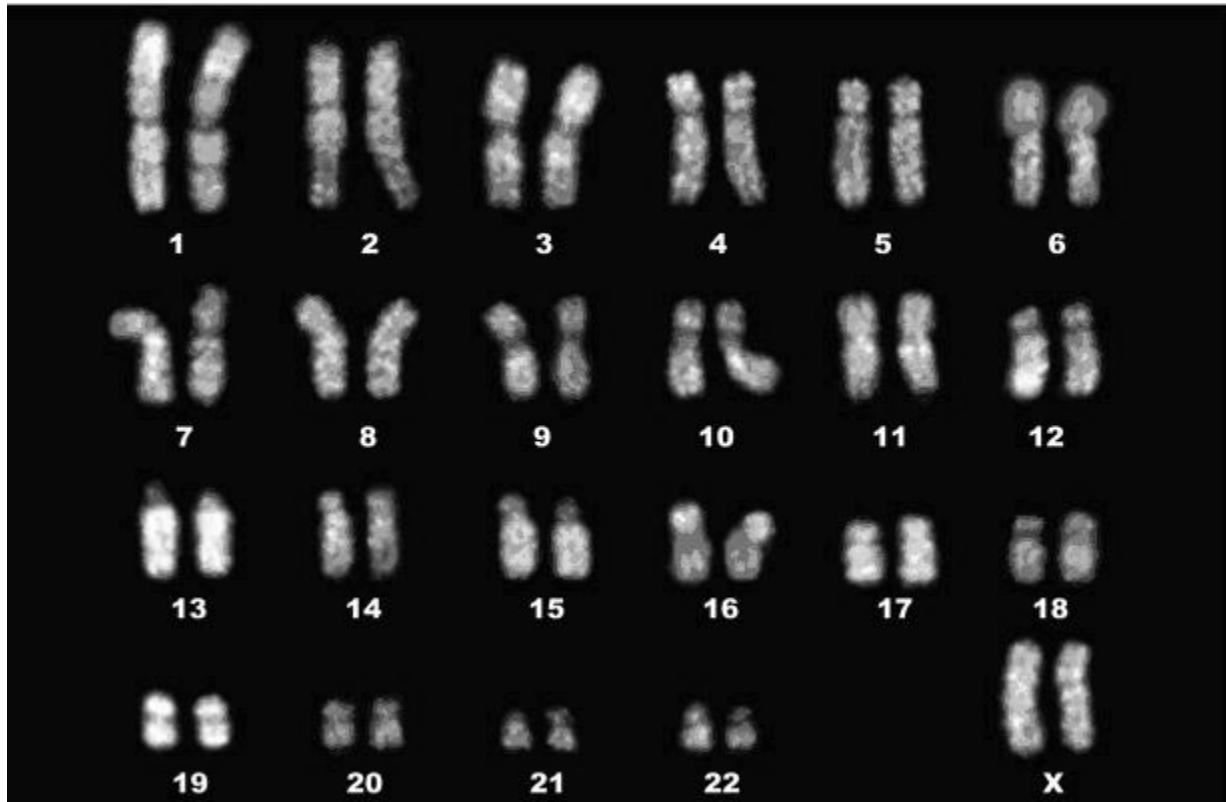


Human Karyotype



A human karyotype. The chromosome pairs are arranged and numbered in order of their length, from longest to shortest. The sex chromosomes appear last. Karyotypes are helpful in diagnosing conditions such as Turner syndrome, where one X chromosome is partly or totally missing, and Down syndrome, where there is an extra chromosome 21.