

Chapter 15 Assessment pg 500-501

1-24

- 1) d
- 2) c
- 3) d

4) gametes are haploid $46/2 = 23$

5) no antigens on surface that react

6) Barr body forms on inactivated "X"

7) pedigree tracks a trait or inheritance pattern within a family tree

8) 4

- 9) d
- 10) b
- 11) d

12) blood cells are resistant (or more resistant) to mosquito-borne parasite that causes malaria in heterozygous individuals

13) protein produced by CF allele helps block entry of typhoid bacterium into cells of digestive system

14) Turner's syndrome = only one "X"
failure of sex organs at puberty

15) Klinefelter's syndrome XXY male
non-disjunction

16) would know risk for genetic diseases for
self + for potential offspring

17) c

18) d

19) b

20) $\approx 20,000$

21) False: about $\frac{1}{4}$ are unknown

22) SNP - single nucleotide polymorphism
medical treatments can be tailored to
patient's genome

23) illegal for insurance companies + employers
to discriminate based on information from
genetics test (2008 Genetic Information Nondiscrimination Act)

24) epigenetic chemical markers are attached
to DNA + proteins in a way that affects
gene expression