matched on the Y chromosome the son will

on recessive traits via the – X chromosome that are not manifest the

recessive trait.

EXAMPLE - Color Blindness. Color Blindness is a recessive

Trait. Approximately 20 TIMES as many men have it related To women that have it – because a woman must inherit the Same recessive trait from both mother and father, whereas The man only need inherit it from his mother. There is no Matching allele from the father so the trait is passed on. (NOTE: "Color blindness" is extremely rarely "absolute" – it usually refers to varying degrees starting with blues and greens being indistinguishable. Only very rarely does a person see

REPRODUCTION: SEXUAL & NON-SEXUAL

MITOSIC Van-expal reproduction by cell available replenishing cells, amoeba & other single a "

DNA "uncoils" and "rungs" split with ½ going to either new act"

RNA provides the other side and "

The order of the "rungs" resulting in two new cells exactly the same

As the original cell – containing mRNA (MESSENGER RNA)

Which "communicates" the genetic code to the organism resulting in the phenotype.

MEIOSIS - sexual reproduction

The sperm and ovum (in plants, pollen and ovule) unite. Each has Only 23 alleles – together they form 46 pairs.

ZYGOTE united ovum & sperm (a newly fertilized egg)

MONOZYGOTIC TWINS -"identical twins" One Zygote

Identical genetic makeup 1 in 1,000 or 0.1%

Phenotype varies ONLY if differences in environment

DIZYGOTIC TWINS - "fraternal twins" Two Zygotes

Genotype & phenotype as different as any sib.s

Can be different genders @ 3.2 in 100 or 3.2%

MULTUPLE BIRTHS: (memorization not req. re stats on multiples)

- -Twins (ANY TYPE) 3.31%
- Triplets, 0.14%
- Quadruplets, 0.0078%
- Quintuplets and more, 0.00092%

NON-RANDOM MATING effects allele frequency

HOMOGAMY- Tendency to marry cont

Notesale.co.uk
(IE ear lobes) of 17 U.S: Age (when olde

Rac (now 0.5% B/W, more other rac s – was against law)

Social Class (95% - other 5% Fem 1 up/ Males 1 down)

Perceived Attractiveness (perception over actual)

Religion (FAR less significantthan 50 years ago)

SOCIAL CLASS – division of groups within a culture

BASED ONUnequal Distribution of:

WEALTH

POWER

PRESTIGE In the U.S. it is MEASURED BY:

EDUCATION

INCOME