

DREAM DATE

Here's your chance to cross your traits with those of your dream date.

1) Attach a picture of you and your dream date (you may use the back of this sheet or another sheet of paper). My dream date is _____.

2) Pick any two traits you wish to work with and fill in the chart with your and your dream date's phenotypes and genotypes for the traits. Different traits should be represented by different letters when showing the genotype.

Trait

My phenotype

My possible genotype(s)

Dream date's phenotype

Dream date's possible genotype(s)

1.

2.

3) a) Construct a monohybrid cross between you and your dream date for each trait (you will have 1 punnett square for each trait). If there are multiple possible genotypes to work with, pick one and circle it in your chart.

b) What are the phenotypic and genotypic ratios for your offspring in each cross?

4) a) Combine the original genotypes you used above and construct one dihybrid cross.

b) What are the phenotypic and genotypic ratios for your offspring?