Group #___
Year and Section: _____

Scientists at Bikini Bottoms have been investigating the genetic makeup of the organisms in this community.

Use the information provided and your knowledge of genetics to answer each question.

1. For each genotype below, indicate whether it is a heterozygous (He) OR homozygous (Ho).

TT _____ Bb _____ DD _____ Ff _____ tt _____ dd _____
Dd _____ ff _____ Tt _____ bb _____ BB _____ FF _____

2. Determine the phenotype for each genotype using the information provided about SpongeBob.

Yellow body color is dominant to blue.
YY _____ Yy _____ yy _____
Square shape is dominant to round.
SS _____ Ss _____ ss _____

3. For each phenotype, give the genotypes that are possible for Patrick.

A tall head (T) is dominant to short (t).
Tall = _____ Short = _____
Pink body color (P) is dominant to yellow (p).
Pink body = _____ Yellow body = _____

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