Bikini Bottom Genetics Worksheet #1: Understanding Vocabulary & Punnett Squares			
Complete the following practice activities 1. For each genotype below, indicate whether it is a heterozygous (He) OR homozygous (Ho).			
T I	TT Bb Dd ff	DI Tt	D Ff tt dd bb BB FF
			ould be considered purebred ?ould be hybrids ?
2. Determine the phenotype for each genotype using the information provided about SpongeBob.			
Yellow body color is dominant to blue.			
	Y Y	V - 10	yy
3. F	or each phenotype,	give	the genotypes that are possible for Patrick.
A tall head (T) is dominant to short (t). Tall = Short =			nort (t). Short =
Match each term with its meaning			
1.	Allele	A	Cell with one of each kind of chromosome
2.	Dominant	В	Outward appearance of an organism, regardless of its genes
3.	Gamete	C	Characteristic that is inherited; can be either dominant or recessive
4.	Genotype	D	Trait of an organism that can be masked by the dominant form of a trait
5.	Haploid	E	Observed trait of an organism that mask the recessive form of a trait
6.	Heredity	F	Transfer of male pollen grains to the pistil of a flower
7.	Heterozygous	G	Alternative forms of a gene for each variation of a trait of an organism
8.	Homozygous	H	Passing on of characteristics from parents to offspring
9.	Phenotype	I	Combination of genes in an organism
10.	Pollination	J	When there are two different alleles for a trait

When there are two identical alleles for a trait

Male and female sex cells, sperm and eggs

J K

L

10.

11. 12.

Recessive

Trait

Name: