

Directions: Look at the vocabulary discussed in the notes to help you complete this activity. The chart below are the letters that you need to use for this activity. They are also in your notes.

Pea Plant Traits							
	Seed Shape	Seed Color	Pod Shape	Pod Color	Flower Color	Flower Location	Plant Size
Dominant Traits	Round	Yellow	Inflated	Green	Purple	Axile	Tall
	R	Y	I	G	P	A	T
Recessive Traits	Wrinkled	Green	Constricted	Yellow	White	Terminal	Short (Dwarf)
	r	y	i	g	p	a	t

Identify the following genotype(s)

1. Heterozygous Purple
2. Homozygous Axile
3. Terminal
4. Round
5. Heterozygous Tall
6. Wrinkled

7. PP
8. aa
9. Tt
10. Rr
11. gg
12. Gg

Identify the following phenotype

For each genotype below, indicate whether it is a heterozygous (H_e) OR homozygous (H_o).

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

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 = _____