Bikini	Botto	m	Genetics
Incom	plete	Do	minance

Name	
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SpongeBob loves growing flowers for his pal Sandy! Her favorite flowers, Poofkins, are found in red, blue, and purple. Use the information provided and your knowledge of incomplete dominance to complete each section below.

1	Write the correct genotype for each color if R represents a red	gene and B	represents a bl	ue gene
L.	. Write the correct genotype for each color if it represents a rank	0	Α.	

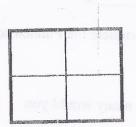
Red - ____ Blue - ____ Purple - ____

2. What would happen if SpongeBob crossed a Poofkin with red flowers with a Poofkin with blue flowers. Complete the Punnett square to determine the chances of each flower color.



- (a) Give the genotypes and phenotypes for the offspring.
- (b) How many of the plants would have red flowers? _____%
- (c) How many of the plants would have purple flowers? ______%
- (d) How many of the plants would have blue flowers? _____ %

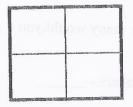
3. What would happen if SpongeBob crossed two Poofkins with purple flowers? Complete the Punnett square to show the probability for each flower color.



- (a) Give the genotypes and phenotypes for the offspring.
- (b) How many of the plants would have red flowers? _____%
- (c) How many of the plants would have purple flowers? ______%
- (d) How many of the plants would have blue flowers? _____ %

4. What would happen if SpongeBob crossed a Poofkin with purple flowers with a Poofkin with blue flowers? Complete the Punnett square to show the probability for plants with each flower color.

(a) Give the genotypes and phenotypes for the offspring.



(b) If SpongeBob planted 100 seeds from this cross, how many should he expect to have of each color?

Purple flowers - _____ Blue flowers - ____ Red flowers - ____

to actah come on every trip	sh known as Goobers Many of the jellyfis	and only really great h are vellow (YY) or b	jellyfishermen are lucky enoug due (BB), but some end up gree complete each section below.
5. What would happen if Spo Punnett square to help you d	ongeBob and Patrick cr letermine the probabilit	cossed two "goobers" or y for each color of jelly	green jellyfish? Complete the fish.
	(a) Give the possible	genotypes and phenoty	pes for the offspring.
	(b) What percentage	of the offspring would l	pe yellow?%
	(c) What percentage	would be blue?	What would be a serious for the company of the comp
describeration de l'abordité dans des l'écoles des l'écoles de l'é	(d) What percentage	would be "goobers" (gr	een)?%
6. What would happen if the you determine the probability	ey crossed a yellow jell ty for each color of jell	yfish with a goober? Co yfish.	omplete the Punnett square to hel
Management of the model of the control of the following of the control of the con	(a) Give the possible	genotypes and phenoty	pes for the offspring.
nave I Francisco	(b) What percentage	of the offspring would	be yellow?%
	(c) What percentage	would be blue?	% The second bloom of W
COLUMN CO	(d) What percentage	would be "goobers" (gr	reen)?%
7. What would happen if the to help you answer the ques	ey crossed a blue jellyfitions.	ish-with a yellow jellyfi	sh? Complete the Punnett square
	If 100 jellyfish were expect for each?	produced from this cro	ss, how many would you
Latine control is one easier	Yellow	Blue	Goobers
8. What would happen if the you answer the questions.	ey crossed a blue jellyf		nplete the Punnett square to help
And series ducknown and appropriate treatment of series and	If 100 jellyfish were expect for each?	produced from this cro	ss, how many would you
American de la constitución de l	Yellow	Blue	Goobers