1. Add your da	ta to the board a	and fill in the ta			convincing every totals.
Observed		Brand			
		Haribo	Meijer	Total	
	Red				
	Green				
Color	Yellow				
	Orange				
	White				
	Total				
3. How many v		·			
4. As a class, w		_			
H ₀ :	, , , , , , , , , , , , , , , , , , ,				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
H ₀ : H _a : 5. Now we will	use a chi-squar We first need to				

Orange White Total



Name:		Hour:	Date:			
6. Use	your work on the front page to complete a	4 step significa	nce test.			
STATE:	Hypotheses:	Significance level:				
PLAN:	Name of procedure: Chi-square test for homogeneity					
i EAN.	Check conditions:					
	Check conditions.					
DO:	Specific Formula:					
	Work:	df = (rows -	- 1)(columns – 1)			
		`	,			
		Picture:				
		Test	statistic:			
		P-va	alue:			
CONCL	UDE:					

7. Explain how this test is different from a chi-square test for goodness of fit?



	Name:			Ho	our:	Date:	
		C	hi-Square T	est for Homo	geneity		
Ir	mportant ideas:						
_				ır Understa	_	o=	
	social scientist se m various high s						ors, and 25 senion by preferred in-
pe	rson or remote le	earning. Here	are the results	S:			
			Freshman	Sophomore	Junior	Senior]
		Remote	3	12	14	15	
		In Person	22	13	11	10	
a.	State the appro	priate null and	d alternative hy	potheses.			
		•	•	•			
					_		
b.	Show the calcul complete table		•	t in the Remote/	Senior cell	I. Then pro	vide a

c. Calculate the value of the chi-square test statistic.

