Mutations Worksheet	Name		Date:	Per	
There are several types	of mutation:				
DELETION (d	base is lost)				
	(an extra base is	•			
				SHIFT, meaning	the reading "frame"
		amino acid sequence substituted for and			
	•	substituted for and ages the amino acid,	,	TSSENSE mutat	ion
		not change the am			
		ges the amino acid	•		
Complete the boxes frameshift, missen		each as either Dele sense (hint: deletion			
Original DNA Sequence	: T A C A	CCTTGGC	GACGA	АСТ	
mRNA Sequence:					
Amino Acid Sequence:					
Mutated DNA Sequence	#1: <b>TACA</b>	тсттббс	GACGA	АСТ	
What's the mRNA sequen	nce?				(Circle the change)
What will be the amino a	cid sequence?				
Will there likely be effect	s?	What kind of	mutation is thi	is?	
Mutated DNA Sequence	#2: <b>TACG</b>	ACCTTGG	CGACO	GACT	
What's the mRNA sequen	nce?				(Circle the change)
What will be the amino a	cid sequence?				
Will there likely be effect	s?	What kind of	mutation is thi	is?	
Mutated DNA Sequence	#3: T A C A	CCTTAGC	GACGA	АСТ	
What's the mRNA sequen	nce?				(Circle the change)
What will be the amino a					
Will there likely be effect	s?	What kind of	mutation is thi	is?	
Mutated DNA Sequence	#4: T A C A	CCTTGGG	GACTA	АСТ	
					(Circle the change)
What will be the amino a					(==================================
Will there likely be effect				s?	