

NAME \_\_\_\_\_

## Mutations Worksheet - Deletion, Insertion & Substitution



**Original DNA Sequence:** T A C A T G A C G G C A T C G A C T ...

**mRNA Sequence:** \_\_\_\_\_

**Amino Acid Sequence:** \_\_\_\_\_

Mutated DNA **Sequence #1** T A C A T A A C G G C A T C G A C T ...

What's the **mRNA** sequence? \_\_\_\_\_ (*Circle the change*)

What will be the **amino acid** sequence? \_\_\_\_\_

Will there likely be effects? \_\_\_\_\_ What type of mutation is this? \_\_\_\_\_

Mutated DNA **Sequence #2** T A C A T G A C G G C A T C G A T ...

What's the **mRNA** sequence? \_\_\_\_\_ (*Circle the change*)

What will be the **amino acid** sequence? \_\_\_\_\_

Will there likely be effects? \_\_\_\_\_ What type of mutation is this? \_\_\_\_\_

Mutated DNA **Sequence #3** T A C A T C G A C G G C A T C G A C T ...

What's the **mRNA** sequence? \_\_\_\_\_ (*Circle the change*)

What will be the **amino acid** sequence? \_\_\_\_\_

Will there likely be effects? \_\_\_\_\_ What type of mutation is this? \_\_\_\_\_

Mutated DNA **Sequence #4** T A C A T G A C G G C A T A G A C T ...

What's the **mRNA** sequence? \_\_\_\_\_ (*Circle the change*)

What will be the **amino acid** sequence? \_\_\_\_\_

Will there likely be effects? \_\_\_\_\_ What type of mutation is this? \_\_\_\_\_

Mutated DNA **Sequence #5** T A C A T G A C G C A T C G A C T ...

What's the **mRNA** sequence? \_\_\_\_\_ (*Circle the change*)

What will be the **amino acid** sequence? \_\_\_\_\_

Will there likely be effects? \_\_\_\_\_ What type of mutation is this? \_\_\_\_\_