**Mutations Webquest** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Derived from ’DNA, RNA, Protein Synthesis WQ’ # \_\_\_\_\_\_\_\_

**Topic: Mutations**

**A. Go to:** [**http://evolution.berkeley.edu/evolibrary/article/0\_0\_0/mutations\_03**](http://evolution.berkeley.edu/evolibrary/article/0_0_0/mutations_03) **Read the information and complete the table:**

|  |  |  |
| --- | --- | --- |
| **Type of mutation** | **Description** | **Effect on resulting protein** |
| Substitution |  |  |
| Insertion |  |  |
| Deletion |  |  |
| Frameshift |  |  |

**B. State 2 causes of mutations.**

4

**C. Can a somatic mutation be passed to offspring?**

**D. What kind of mutation can be passed to offspring?**

**E. Give 3 effects the mutation can have on phenotype.**