## Four Main Points of Applied Math Crossword



## <u>Across</u>

**3.** Biology asks \_\_\_\_\_ kinds of questions.

7. \_\_\_\_\_ are ways to organize data, such as the matrix used above to

describe the biological landscape.

9. Biological domains, or \_

, include molecules, cells, tissues, organs, individuals, populations, communities, ecosystems or landscapes, and the biosphere. **10.** are procedures for manipulating symbols. **Down** 

**1.** was crucial in the discovery of genes by Mendel (Orel 1984) and in the theory of evolution.

2. In classical times, \_\_\_\_\_, as first an applied then a basic science, stimulated enormous advances in mathematics. main points of the applied **4**. The mathematical landscape are data structures, algorithms, theories and models 5. These are questions, respectively, about structures, \_\_\_\_\_, pathologies, repairs, origins, and functions or purposes. 6. Theories and \_\_\_\_\_\_, including the theories of pure mathematics, are used to analyze both data and ideas. \_\_\_\_\_ biological challenges that 8. Here are could stimulate, and benefit from, major innovations in mathematics.