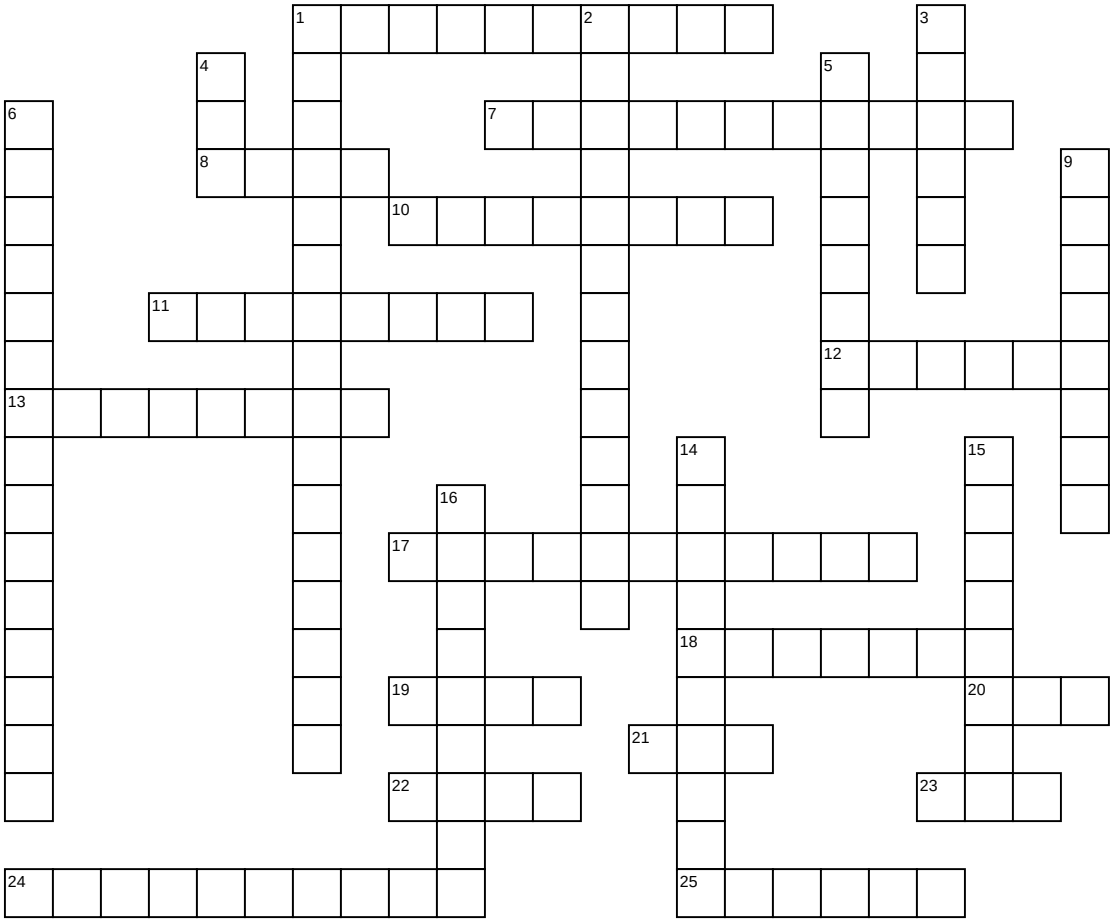
# Roland-Story Biology

## Chapter 2 Chemistry of Life



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**ACROSS**

**1** are the building blocks of proteins.
**7** contain long strands of DNA which stores hereditary information
**8** pH of 0-6
**10** a substance made of the joined atoms of two or more different elements
**11** a large molecule formed by linked smaller molecules of amino acids
**12** are nonpolar molecules that are not soluble in water
**13** attraction between molecules of the same substance
**17** a long chain of smaller molecules
**18** made of only one type of atom
**19** basic unit of matter
**20** positively or negatively charged atom
**21** is a single nucletoid with 2 extra energy storing phosphate groups
**22** ph of 8-14
**23** consists of a single strand of nucletoids
**24** the forms or folds on surface of enzymes
**25** substances that increase the speed of chemical reactions

**DOWN**

**1** the energy needed to start a chemical reaction
**2** organic compounds consisting of C, H, and O
**3** the ability to move or change matter
**4** an acid that consists of two strands of nucletoids
**5** is a group of atoms held together by covalent bonds
**6** simple sugars that are the building blocks of carbohydrates
**9** attraction between different substances
**14** consists of sugar base, phosphate group and and oxygen atoms
**15** evenly distributed mixture
**16** a substance on which an enzyme acts during a chemical reaction