

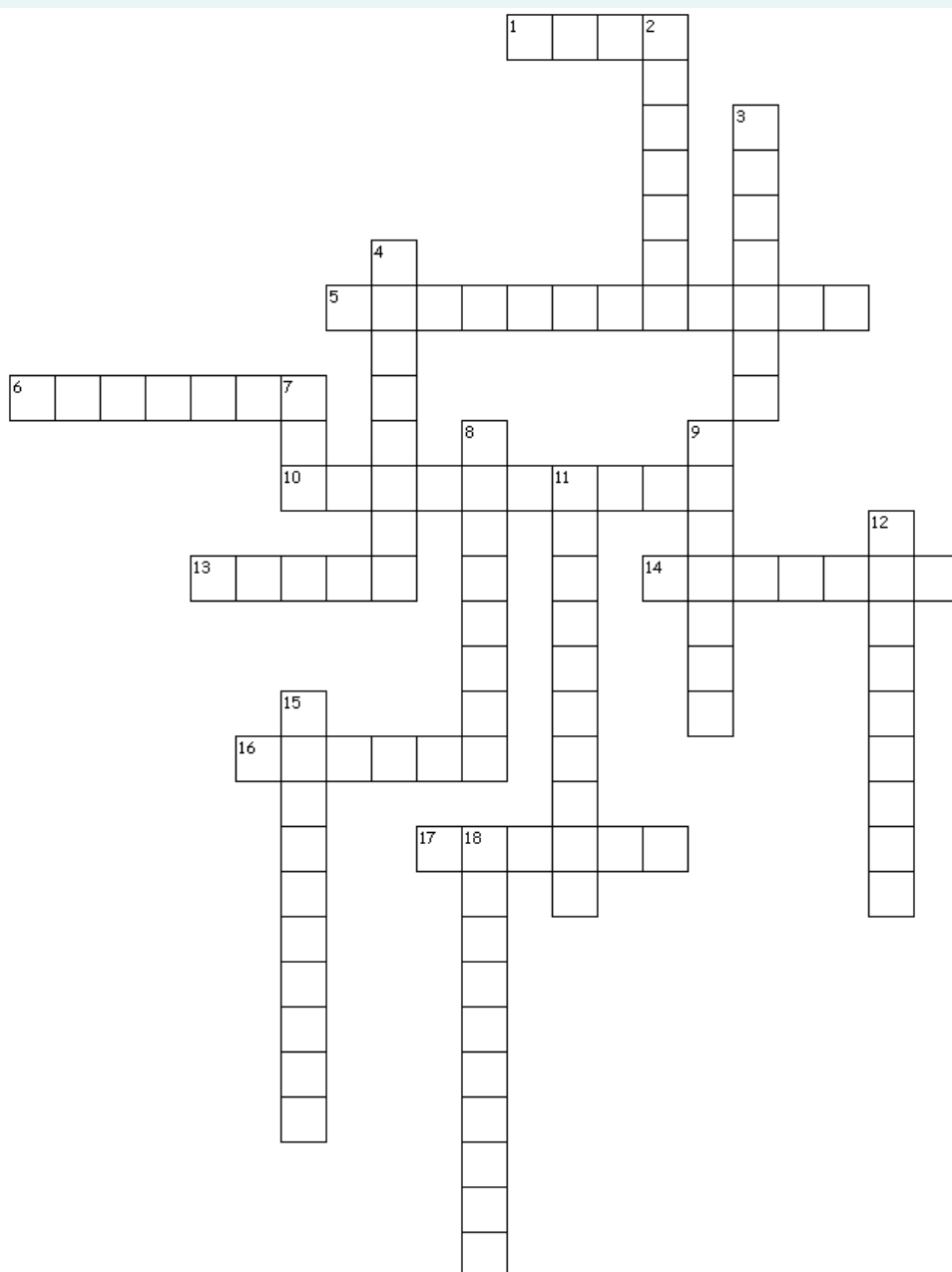
Teaching Unit 10

Lab vocabulary

Keywords and concepts: Vocabulary. Laboratory. Drug development.

Xplore Health related tools: Virtual experiment: *Produce a drug target!*

Below you will find a cross-word puzzle in English with concepts that have come up in both virtual experiments. You may use the virtual experiments glossary to solve the cross-word puzzle and see the words in English.



Across

1. Technique that is used to purify peptides and proteins by separating the individual components of a mixture.
5. Liquid or gel designed to support the growth of cells or microbes such as bacteria.
6. Double-stranded, often circular DNA molecules that are separate from chromosomal DNA. They usually occur naturally in bacteria.
10. Building blocks of proteins. There are 20 different types and can be combined to make a protein.
13. Sections of DNA used by cells to make proteins and other molecules. You inherit them from your parents when you begin life as one cell. Half of them are from your mother, the other half are from your father.
14. Substance in which another substance is dissolved, forming a solution. Water is an example of a solvent.
16. Protein molecule produced by living organism that is used to speed up a specific chemical reaction involving other substances without itself being destroyed or changed in any way.
17. Molecule that a drug interacts with.

Down

2. Growth of either prokaryotic or eukaryotic cells under controlled conditions.
3. Short chain of amino acids. It has the same chemical structure as a protein but is shorter in length.
4. They are produced by instructions coded in your genes. They consist of hundreds or thousands of smaller Units called amino acids that are attached to one another in long chains.
7. Molecule that contains the genetic instructions for making living organisms.
8. The smallest part of a pure substance that has the same chemical and physical properties as the substance. It is composed of two or more atoms.
9. Movement of water from a less concentrated solution to a more concentrated solution through a semi-permeable membrane.
11. Machine that spins materials and can be used either to separate liquids that have different densities or to separate liquids from solids that are held in suspension.
12. Type of enzyme that can repair DNA. Scientists use it to join DNA molecules together.
15. Molecule that can reduce or stop the activity of another molecule.
18. Drugs that fight infection caused by bacteria.

Answer

