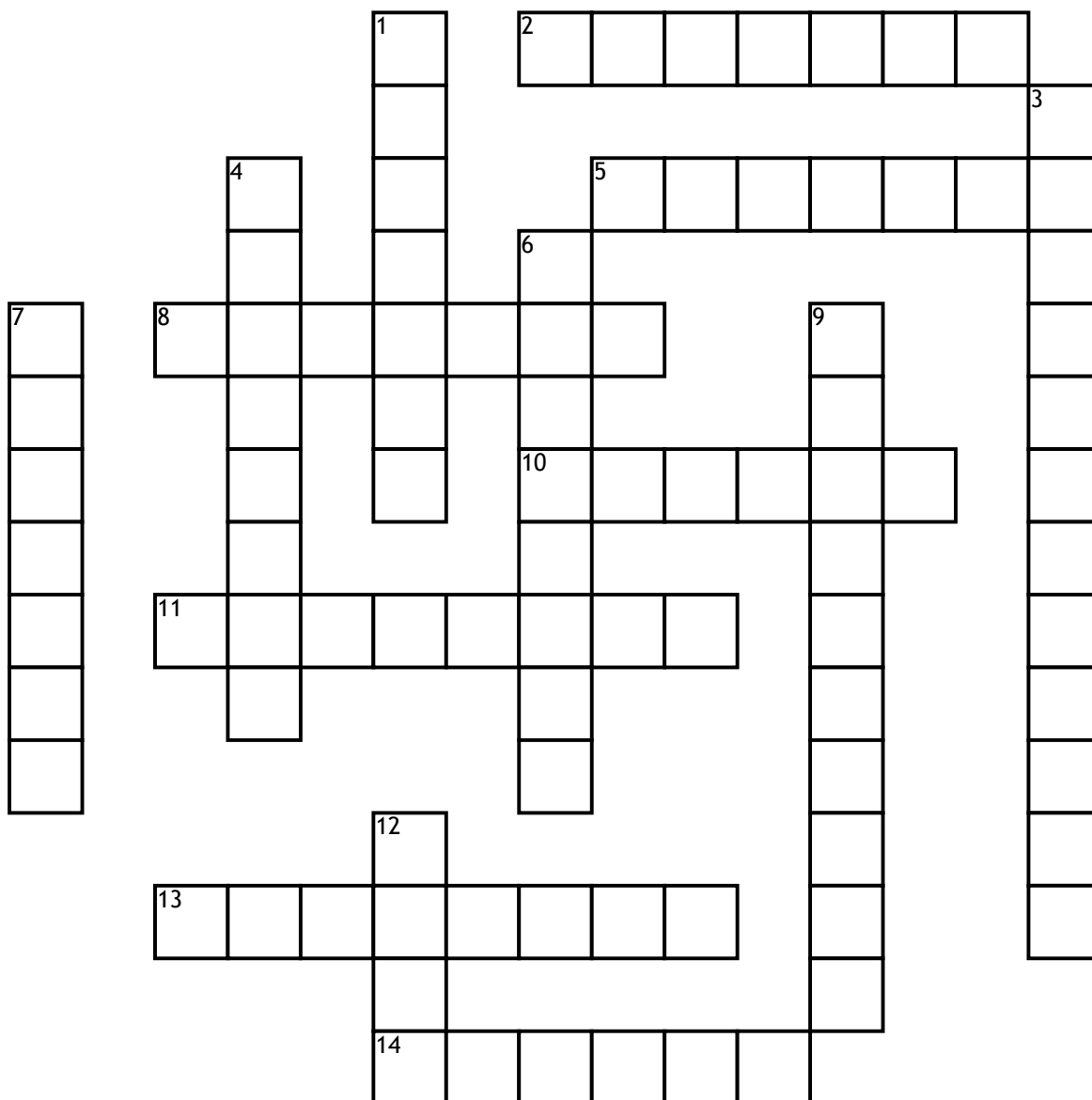


Name: _____

Date: _____

Basis of Life



Across

2. Two or more substances mixed together, but not chemically combined.

5. A pure substance that cannot be broken down by chemicals into different substances; a basic building-block of matter

8. A subatomic particle, fundamental to all matter except hydrogen

10. A substance particle that is fundamental to all matter. It exists in the nucleus, with a positive charge and a mass approximately equal to that of a neutron.

11. A unit of matter composed of two or more atoms held together by chemical bonds.

13. Containing two atoms

14. Anything that occupies space and has mass.

Down

1. The path around the nucleus of an atom in which contains both the protons and the neutrons of the atom

3. The number of protons in a the nucleus of the atom.

4. A subatomic particle, fundamental to all matter, existing in orbit around the nucleus of an atom and carrying a negative charge

6. A chemical substance composed of atoms of two or more elements

7. The positively charged center of an atom which contains both the protons and neutrons of the atom.

9. The mass of an element; approximately equal to the number of protons and neutrons in its nucleus

12. The smallest unit of an element