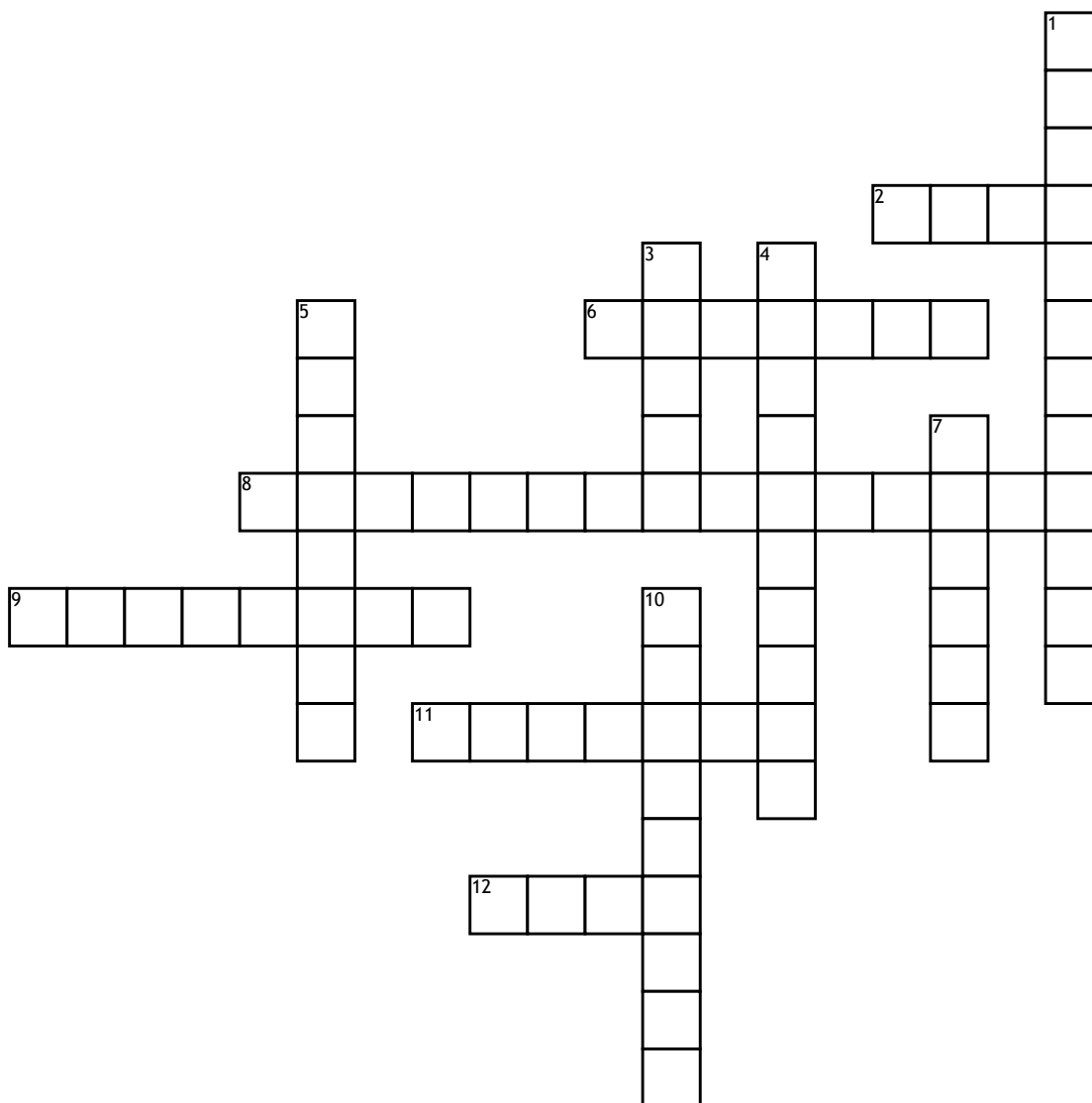


Name: _____ Date: _____ Period: _____

Structure of an ATOM



Across

2. The smallest unit of an element that maintains its properties.

6. Two or more elements held together by physical forces

8. What diagram shows how many valence electrons an element has ?

9. Elements combined chemically in a fixed ratio

11. The core of an atom, consisting of the protons and neutrons.

12. Last name of the scientist who discovered structure of an atom.

Down

1. Number of protons / Number of electrons

3. The maximum number of electrons in the second and third shell

4. Number of protons + Number of neutrons =

5. Two or more atoms held together by chemical bonds and act as a unit

7. What in the nucleus carries a positive charge?

10. Negatively charged particles that revolve around the nucleus.