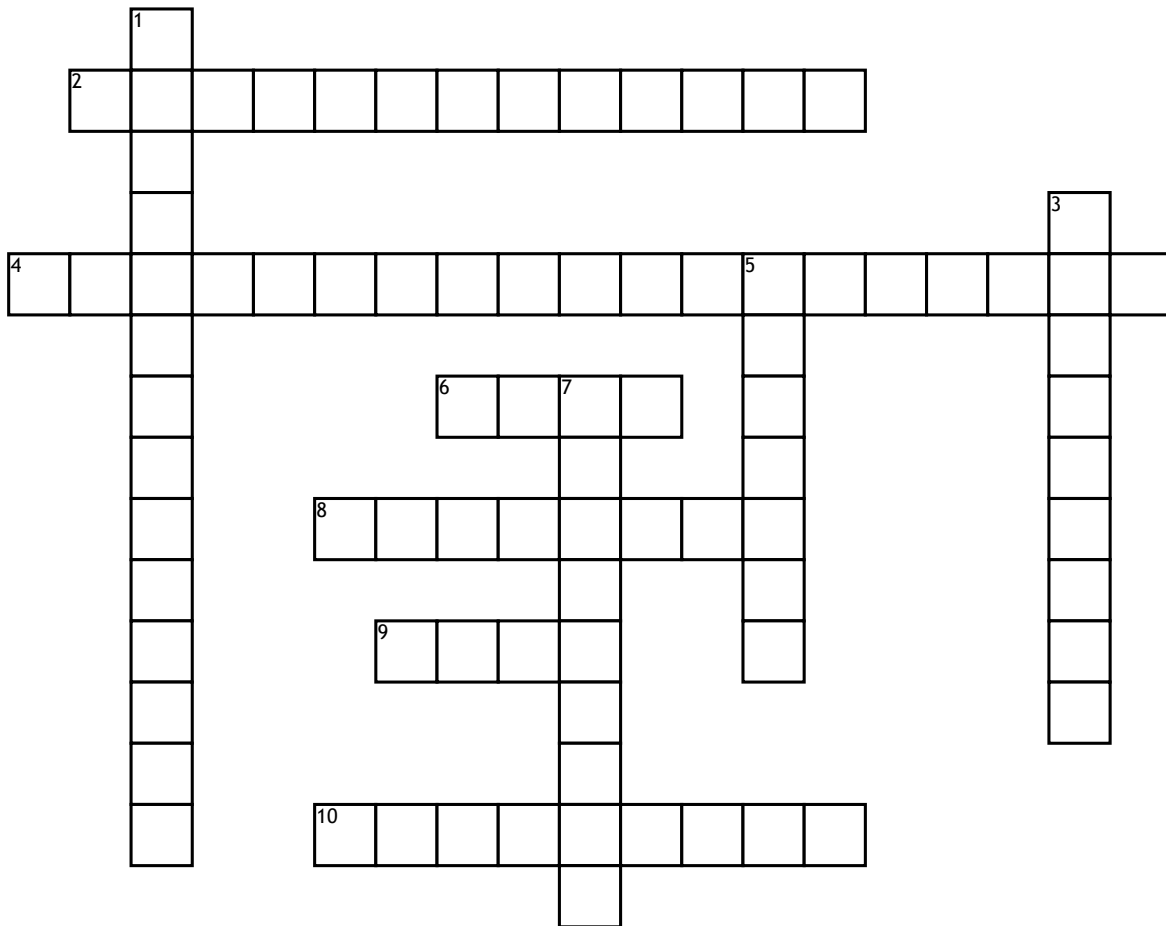


atomic models



Across

2. The _____ model is currently the most sophisticated and widely accepted model of the atom.
4. The so called _____ model was proposed by the scientist J.J. Thomson in 1904.
6. Bohr proposed, as did Rutherford, that the atom had a small, positive nucleus where most of its _____ resided.
8. In the Plum Pudding Model the atom is a ball of _____ charge--the pudding--in which the electrons --the plums--are located.
9. The _____ model was devised by Neil Bohr, a physicist from Denmark who received the nobel prize for his work on the atom.

10. Rutherford postulated that the atom consisted of a small, dense and positively charged nucleus, around which _____ orbited in circular rings.

Down

1. This model was proposed by the nobel prize winning chemist Ernest Rutherford in 1911.
3. The Bohr model was created by _____.
5. The electron cloud model is the movement of electrons around the _____.
7. The main improvement of Bohr's model was that the electrons were confined to _____ around this nucleus like planets around the sun.