

Name: _____
Date: _____
Period: _____

Bohr Model Practice

For each element, write the total number of electrons on the line. Then color the correct number of electrons for each orbit. Remember, fill the orbit closest to the nucleus first, but never exceed the number each orbit can hold. Check the Periodic Table to find out how many electrons each element actually has.



1.

2.

How are atomic spectra produced? Use the terms ground and excited state electrons in your answer.

5. How is a Bohr model different from other models of an atom?

How does the Bohr model describe how our current "modern" model of an atom is different than any other model proposed prior.

6. Through the Bohr model, how do we know that electrons are in discrete energy levels?