

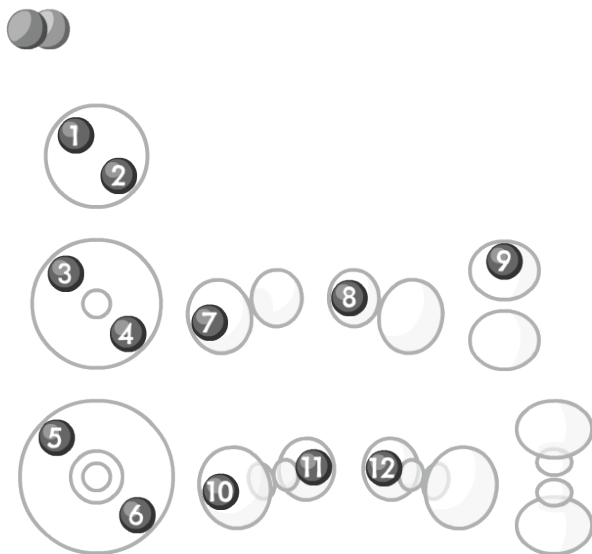
Student Activity
ATOMS



Concepts: Electron Configuration & Atomic Orbitals

Directions: The electron configuration in the image below is incorrect. Determine at least 3 errors and correct it below. Check your answers by using the Collisions Atoms Sandbox.

x 10



<p>Error #1:</p> <p><i>Electrons #5 and #6 should be in 2p, not 3s</i></p>
<p>Error #2:</p> <p><i>2p orbital should be filled with 6 electrons</i></p>
<p>Error #3:</p> <p><i>Electrons in the 3p orbital should be filled one at a time</i></p>

Additional error: # protons should equal # electrons

Draw the correct electron fill order below and write out the electron configuration to the right.

x 10

