

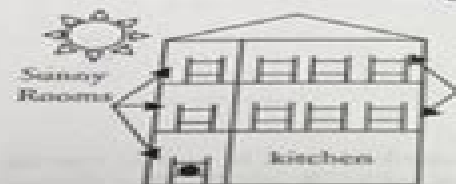
Electron Configurations - POGIL
Unit 3 Assignment 1

Name _____ Per _____ Date _____

Learning Target - I understand that, when an atom is in ground state, that its electrons occupy the lowest-energy levels, sublevels, and orbitals.

Success Criteria - I can use the periodic table to determine the electron configuration for ground-state atoms.

Model 1 - The Boarding House



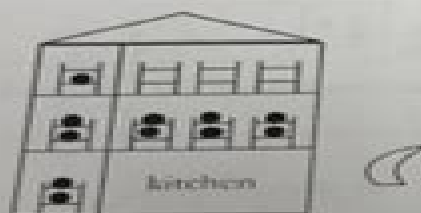
Time: 1:00 pm
 Manager's Code: $1s^1$



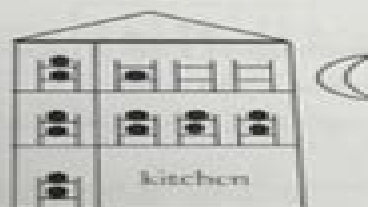
Time: 3:00 pm
 Manager's Code: $1s^2 2s^2 2p^2$



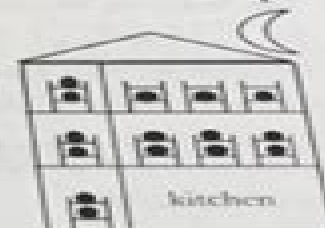
Time: 5:00 pm
 Manager's Code: $1s^2 2s^2 2p^2$



Time: 7:00 pm
 Manager's Code: $1s^2 2s^2 2p^6 3s^1$



Time: 9:00 pm
 Manager's Code: $1s^2 2s^2 2p^6 3s^2 3p^1$



Time: 11:00 pm
 Manager's Code: $1s^2 2s^2 2p^6 3s^2 3p^1$

1. Examine the boarding house diagrams in Model 1. Match each symbol below with its most likely meaning.

___ a. ●

___ b.

___ c. $1s^2 2s^2 2p^6 3s^1$

I. Bunk bed for boarders

II. Manager's code for the number of boarders in the house and their room assignments.

III. Boarder

Electron Configurations Answers Pogil Chemistry

Didier Musso



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