

Atomic Structure & Electron Configuration Foldable 100pts

Fold the paper in half vertically then fold it in half vertically again. Now fold it in half horizontally. Now cut the front cover as directed by the instructor.

The outside cover of each flap should contain the following information for each element:

_____ Element Name _____ Atomic symbol including mass # and atomic #
_____ e- configuration _____ orbital notation
_____ atomic model _____ e- dot structure
_____ noble gas configuration _____ tightly packed nucleus
_____ color key for atomic model _____ creativity, neatness and color

3pts each 30 pts total

Inside of the cover flap should contain the following information labeled about the element:

_____ Atomic Number _____ Atomic Mass (rounded to 0.01)
_____ Mass # _____ # Protons
_____ # electrons _____ # neutrons
_____ group name and # _____ period
_____ metal or nonmetal _____ state of matter @ room temp

3pts each 30 pts total

Inside of the cover on the flat space should contain the following information labeled about the element:

_____ Description of the nucleus _____ Description of each energy level used.
_____ What type of elements does it react with _____ 2 compounds it forms
_____ 2 common uses _____ 2 Interesting facts about the element
_____ how it affects the body _____ description of it in its pure form
_____ Who discovered it _____ man-made or naturally occurring

3pts each 30 pts total