

CHEM105 Unannounced Quiz 4*Name on back only please**Please show all formulas and all work to receive any credit*

1. Sodium atoms have 11 electrons. Make a table that separately and that clearly shows the four quantum numbers for each of these 11 electrons.

2. What is the highest number of electrons in a single atom that can have an $n=3$ quantum number? Fully support your answer.