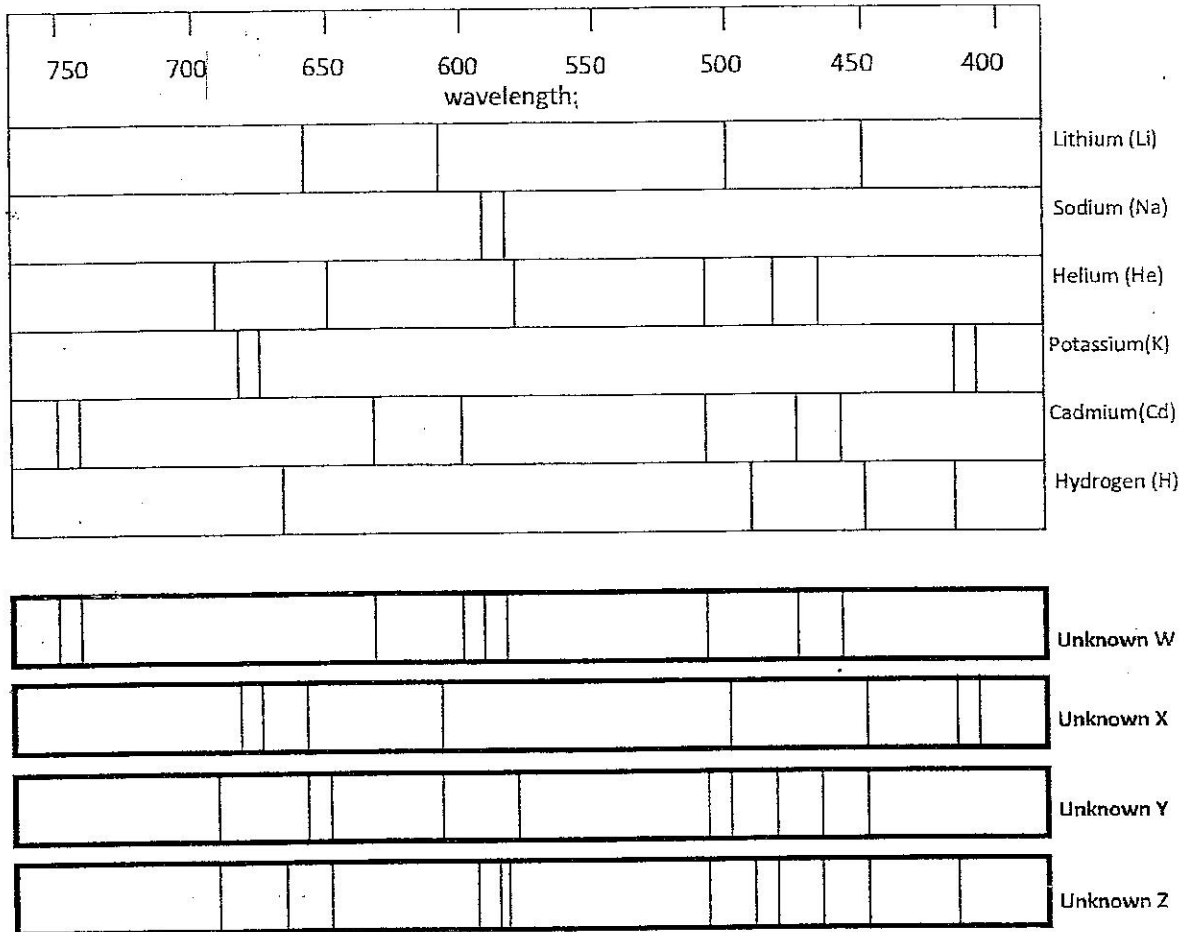


Honors Chemistry: Homework Set 4-3

1. Below, emission-line spectral chart for five elements and four unknown samples are given. Answer the questions based on the information given in the chart.



- List all elements present in unknown sample W.
- List all elements present in unknown sample X.
- List all elements present in unknown sample Y.
- List all elements present in unknown sample Z.
- Explain, in terms of electron transition, how emission-line spectra are produced by atoms.