

Classwork Directions:

- 1) Draw lines representing the **atomic emissions spectrum** of each element.
- 2) Use the **atomic emissions spectra** to determine which elements are present in the sun, whose **atomic emissions spectrum** is at the bottom of the page.

The sun is made up of hydrogen and helium.

Lithium and Sodium do not have all of the lines that the Sun has. Because they do not match, we know that lithium and sodium are not part of the Sun. All of the lines on the hydrogen and helium line up with the sun. Therefore the sun must be made only with hydrogen and helium.

