**Answer Key: Lucky Seven**

**Directions**
First, use the periodic table and the clues provided below to determine the seven element names that are hidden in the puzzle below. Then try to find the letters of each of the element names in the puzzle. The names are organized in circles, with one letter from the name placed in the center of the circle and the rest of the letters surrounding it.

*Note:* The letters may not be organized in the order that they appear in the name!

**Clues**
1. This toxic element is a metalloid found in the 4th period. **Arsenic**
2. This metal is slightly heavier than potassium, and readily gives up two electrons to form bonds with non-metals. **Calcium**
3. This element has 92 protons and is located in the Actinide series. **Uranium**
4. This metalloid has the same number of valence electrons as carbon, and is approximately double the mass of nitrogen. **Silicon**
5. This transition metal is commonly known as **Quicksilver**, and is the only metal that exists as a liquid at standard temperature and pressure. **Mercury**
6. This noble gas is heavier than 35 other elements on the periodic table. **Krypton**
7. This very reactive halogen is more than double the mass of the halogen that is located in the period before it. **Bromine**