

## Mystery Elements in a Mock Periodic Table

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- Element **Ph** is a Noble gas with its 4<sup>th</sup> energy level filled with 8 electrons. It is in Family \_\_\_\_ Period \_\_\_\_ **Ph**
- Element **Bc** has its 2<sup>nd</sup> energy level filled with 8 valence electrons. It is in Family \_\_\_\_ Period \_\_\_\_ **Bc**
- Element **X** has only 1 valence electron and in the same period as element Ph. It is in Family \_\_\_\_ Period \_\_\_\_ **X**
- Element **Tq** has 2 valence electrons and two energy levels. It is in Family \_\_\_\_ Period \_\_\_\_ **Tq**
- Element **Ra** is in the same period as element Bc and has 1 valence electron. It is in Family \_\_\_\_ Period \_\_\_\_ **Ra**
- Element **Qr** is a Nobel gas with the smallest atomic number. It is in Family \_\_\_\_ Period \_\_\_\_ **Qr**
- Element **St** is also a Nobel gas It is in Family \_\_\_\_ **St**
- Element **Rn** has 1 valence electron and three energy levels. It is in Family \_\_\_\_ Period \_\_\_\_ **Rn**
- Element **Az** has 1 valence electron and the highest atomic number in that family. It is in Family \_\_\_\_ Period \_\_\_\_ **Az**
- Element **Z** has 2 valence electrons and the highest atomic number in that family. It is in Family \_\_\_\_ Period \_\_\_\_ **Z**
- Element **B** has 7 valence electrons and only 2 energy levels. It is in Family \_\_\_\_ Period \_\_\_\_ **B**
- Element **O** has 6 valence electrons in its outer energy level and three energy levels. It is in Family \_\_\_\_ Period \_\_\_\_ **O**
- Element **Sp** has 7 valence electrons and is in the same period as Rn. It is in Family \_\_\_\_ Period \_\_\_\_ **Sp**
- Element **Mk** is in the same family as element B It is in Family \_\_\_\_ Period \_\_\_\_ **Mk**
- Element **H** is a metal with 2 valence electrons and 3 energy levels. It is in Family \_\_\_\_ Period \_\_\_\_ **H**
- Element **Hp** has the lowest atomic number of all the elements. This means is atomic number is \_\_\_\_ **Hp**
- Element **Pt** is a metalloid in the same period as X, it has 5 valence electrons. It is in Family \_\_\_\_ Period \_\_\_\_ **Pt**
- Element **J** is a metalloid with the lowest atomic number of all the metalloids. It is in Family \_\_\_\_ Period \_\_\_\_ **J**
- Element **I** and **R** are both in the same period as element Z. R has a higher atomic number than I. I and R are on period \_\_\_\_ R goes farther to the (right, left) **I R**
- Element **Tk** has 2 valence electrons. It is in Family \_\_\_\_ Period \_\_\_\_ **Tk**

