

## Atomic Structure

(p = e)  
assume a neutral atom

You can become more familiar with the atomic structure of some common substances by completing the chart below. For each substance, you have been given enough information to fill in all the blanks.

| Substance | Symbol | Atomic Number | (p+n)<br>Mass Number | Number of Protons | Number of Neutrons | Number of Electrons |
|-----------|--------|---------------|----------------------|-------------------|--------------------|---------------------|
| Helium    | He     | 2             | 4                    | 2                 | 2                  | 2                   |
| Magnesium | Mg     | 12            | 24                   | 12                | 12                 | 12                  |
| Zinc      | Zn     | 30            | 65                   | 30                | 35                 | 30                  |
| Bromine   | Br     | 35            | 80                   | 35                | 45                 | 35                  |
| Aluminum  | Al     | 13            | 27                   | 13                | 14                 | 13                  |
| Uranium   | U      | 92            | 238                  | 92                | 146                | 92                  |
| Sodium    | Na     | 11            | 23                   | 11                | 12                 | 11                  |
| Krypton   | Kr     | 36            | 84                   | 36                | 48                 | 36                  |
| Calcium   | Ca     | 20            | 40                   | 20                | 20                 | 20                  |
| Silver    | Ag     | 47            | 108                  | 47                | 61                 | 47                  |

# Mapping Atomic Structure Answer Key

**Padhraic Smyth**



**Mapping Atomic Structure Answer Key:**

## Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Mapping Atomic Structure Answer Key**

In a world inundated with screens and the cacophony of immediate communication, the profound energy and mental resonance of verbal art usually disappear into obscurity, eclipsed by the continuous onslaught of sound and distractions. However, set within the lyrical pages of **Mapping Atomic Structure Answer Key**, a interesting perform of fictional brilliance that impulses with organic thoughts, lies an unique trip waiting to be embarked upon. Composed with a virtuoso wordsmith, that exciting opus instructions viewers on a psychological odyssey, gently revealing the latent potential and profound influence stuck within the intricate web of language. Within the heart-wrenching expanse of the evocative analysis, we can embark upon an introspective exploration of the book is key styles, dissect their fascinating writing type, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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