

SOME ELEMENTARY QUESTIONS

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Make a list of the names, symbols and atomic numbers of the chemical elements. Assign the values 1-26 to the letters A-Z. For each chemical element, calculate the sum of the 1 or 2 letter values forming its symbol. (You can ignore the chemical elements with 3-letter symbols.) Now see how quickly you can answer these questions.

1. There is only one element whose atomic number is equal to its calculated sum. What is the element?
2. There are five elements whose atomic numbers differ by just plus or minus 1 from their calculated sums. Can you figure them out?
3. Which two chemical elements have their atomic numbers equal to exactly half their calculated sums?
4. Which is the only chemical element where its atomic number is equal to exactly twice its calculated sum?
5. Which is the only chemical element to have the digits in its atomic number reversed to give its calculated sum?