

ΑΤΟΜΙΚΗ ΑΚΤΙΝΑ

Ποιο άτομο είναι μεγαλύτερο;

1. ${}^{20}_{20}\text{Ca}$ - ${}^{56}_{56}\text{Ba}$
2. ${}^{38}_{38}\text{Sr}$ - ${}^{52}_{52}\text{Te}$
3. ${}^{16}_{16}\text{S}$ - ${}^{8}_{8}\text{O}$
4. ${}^{19}_{19}\text{K}$ - ${}^{9}_{9}\text{F}$
5. ${}^{29}_{29}\text{Cu}$ - ${}^{47}_{47}\text{Ag}$
6. ${}^{15}_{15}\text{P}$ - ${}^{33}_{33}\text{As}$
7. ${}^{35}_{35}\text{Br}$ - ${}^{32}_{32}\text{Ge}$
8. ${}^{5}_{5}\text{B}$ - ${}^{7}_{7}\text{N}$
9. ${}^{11}_{11}\text{Na}$ - ${}^{3}_{3}\text{Li}$
10. ${}^{24}_{24}\text{Cr}$ - ${}^{33}_{33}\text{As}$
11. ${}^{82}_{82}\text{Pb}$ - ${}^{50}_{50}\text{Sn}$
12. ${}^{14}_{14}\text{Si}$ - ${}^{10}_{10}\text{Ne}$

ΗΛΕΚΤΡΟΝΙΑ ΣΘΕΝΟΥΣ

Τι τάση έχει το κάθε στοιχείο; Να δώσει ή να πάρει ηλεκτρόνια και πόσα; Τι ιόν σχηματίζει;

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|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1. ${}^{20}_{20}\text{Ca}$ | 2. ${}^{9}_{9}\text{F}$ | 3. ${}^{10}_{10}\text{Ne}$ | 4. ${}^{56}_{56}\text{Ba}$ | 5. ${}^{8}_{8}\text{O}$ | 6. ${}^{19}_{19}\text{K}$ |
| 7. ${}^{38}_{38}\text{Sr}$ | 8. ${}^{33}_{33}\text{As}$ | 9. ${}^{18}_{18}\text{Ar}$ | 10. ${}^{51}_{51}\text{Sb}$ | 11. ${}^{16}_{16}\text{S}$ | 12. ${}^{12}_{12}\text{Mg}$ |
| 13. ${}^{15}_{15}\text{P}$ | 14. ${}^{35}_{35}\text{Br}$ | 15. ${}^{32}_{32}\text{Ge}$ | 16. ${}^{7}_{7}\text{N}$ | 17. ${}^{11}_{11}\text{Na}$ | 18. ${}^{53}_{53}\text{I}$ |