

For each of the following, write the correct element NAME (not symbol) in the blank

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|-----------|----|----|----|--|
| _____ 1. | Li | Si | S | metal |
| _____ 2. | N | P | As | most protons |
| _____ 3. | K | Ca | Sc | largest atomic mass |
| _____ 4. | S | Cl | Ar | member of the halogen family |
| _____ 5. | Al | Si | P | 5 valence electrons |
| _____ 6. | Ga | Al | Si | A metalloid |
| _____ 7. | V | Nb | Ta | largest atomic number |
| _____ 8. | Te | I | Xe | member of noble gases |
| _____ 9. | Si | Ge | Sn | 4 energy levels |
| _____ 10. | Li | Be | B | member of alkali metals |
| _____ 11. | As | Se | Br | 6 valence electrons |
| _____ 12. | H | Li | Na | nonmetal |
| _____ 13. | Hg | Tl | Pb | member of transition metals |
| _____ 14. | Na | Mg | Al | electron distribution ending in s^2p^1 |
| _____ 15. | Pb | Bi | Po | metalloid |
| _____ 16. | B | C | N | gas at room temperature |
| _____ 17. | Ca | Sc | Ti | electron distribution ending in s^2d^2 |
| _____ 18. | Cr | Mn | Fe | transition metal with 5 unpaired d electrons |
| _____ 19. | W | U | Pb | rare earth metal used in nuclear fission |
| _____ 20. | K | Zn | Br | The element farthest to the left in period 4 |
| _____ 21. | I | F | Cl | Which halogen has the most protons? |
| _____ 22. | Na | Al | S | Which period 3 element has more protons? |
| _____ 23. | Mg | Ba | Sr | Which alkaline earth metal is closer to the top of the family? |
| _____ 24. | K | Li | Na | Which alkali metal has more protons? |

_____25.	K	Li	Na	Which alkali metal has more energy levels?
_____26.	Cl	F	I	Which halogen has more energy levels?
_____27.	Al	P	Cl	Which is farther to the right in the series?
_____28.	F	I	Br	Which has the lowest mass?
_____29.	Al	Ga	B	Which has the most protons?
_____30.	Al	S	O	Which has 3 valence electrons?
_____31.	Mg	Na	K	Which has 2 valence electrons?
_____32.	Be	C	O	Which has 6 valence electrons?
_____33.	Ba	As	Br	Atoms with 4 or less valence electrons tend to lose electrons in reactions, while those with 5 or more valence electrons tend to gain. Which of these would lose electrons?
_____34.	Li	C	N	Which of these would gain three electrons?
_____35.	Ge	As	Se	Which of these would gain two electrons?
_____36.	Al	Si	S	Which of these would lose 4 electrons?
_____37.	Cu	Sn	Pb	Which is a transition metal?
_____39.	Si	C	Mg	Which is s metalloid?
_____40.	U	Na	Ca	Which has 20 electrons?
_____41.	Pt	Au	Hg	Which is farthest to the left in its series?
_____42.	Pt	Au	Hg	Which has a full d sublevel?
_____43.	Ni	Cu	Zn	Which has a full d sublevel?
_____44.	W	Pt	Bi	Which is in the p sublevel block?
_____45.	Te	I	Xe	Which has a full outer shell?
_____46.	Rb	Sr	Y	Which electron configuration ends in d^1
_____47.	Al	Ga	In	Which is closer to the bottom of the family?
_____48.	Al	Ga	In	Which has more energy levels?
_____49.	Si	Ge	Sn	Which is closer to the bottom of the family?
_____50.	C	Si	Sn	Which is a metal?