

The Periodic Table - Set I



Name_	CI	ass	Date
1	Which trends are observed when the elements in Period 3 on the Periodic Table are considered in order of increasing atomic number?		lowing Period 4 elements netallic characteristics?
	The atomic radius decreases, and the first ionization energy generally increases. The atomic radius decreases, and the first ionization energy generally decreases. The atomic radius increases, and the first ionization energy generally increases. The atomic radius increases, and the first ionization energy generally decreases.	A Ca	B C th O C the B C th O C the
3	Which element is an alkali metal? A Na (s of transition elements in racterized by an incomplete
		ABC	
5			
	PREVIEW		
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7	the printable version of this worksheet		
	A protons B neutrons C valence electrons occupied principal energy levels	B have lower fi	electronegativities rst ionization energies stricity more readily
9	Aqueous solutions of compounds	Which element structure of a n	oble das He 1
	containing element X are blue. Element X could be	when it become	es a 1+ ion? Ne 2
		when it become A K B Ca C F D Ne	es a 1+ ion?



The Periodic Table - Set I



Name Class Which trends are observed when the elements in Which of the following Period 4 elements Period 3 on the Periodic Table are considered in has the most metallic characteristics? order of increasing atomic number? The atomic radius decreases, and the first ionization energy generally increases B Ge R Α The atomic radius decreases, and the fi ionization energy generally decreases. C As Br The atomic radius increases, and the first ionization energy generally increases The atomic radius increases, and the first onization energy generally decreases 3 Which element is an alkali metal? In general, atoms of transition elements in Period 5 are characterized by an incomplete 5 (C)**PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 A protons A have higher electronegativities D **B** neutrons **B** have lower first ionization energies C valence c conduct electricity more readily electrons D lose electrons more readily D occupied principal energy levels 9 Which element attains the Aqueous solutions of compounds containing element X are blue. Element X could be structure of a noble gas when it becomes a 1+ ion? Ne A carbon AK Ar B Ca **B** copper C sodium CF 54 **Xe** 5 D sulfur D Ne Rn 6