ΧI	Cher	nistry	Worksheet
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Time: 30 min Ch#10: The s-Block Elements-01 Full Marks: 20

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1.	AII	questions	are	compu	lsory.
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2.	Please	give	the ex	kplanation	for the	answer	where	applicable.

2. Please give the explanation for the answer where applicable.	
Q1 - What is the general electronic configuration of the outermost shell of alkali metals?	(1 Mark)
Q2 - What are the main sources of lithium?	(1 Mark)
Q3 - Which alkaline earth metal forms covalent compound?	(1 Mark)
Q4 - Alkali metals and their salts give characteristic colour of the flame. Explain?	(2 Marks)
Q5 - A piece of burning magnesium ribbon continues to burn in SO2.why?	(2 Marks)
Q6 - Beryllium and Magnesium do not give colour to the flame why?	(2 Marks)
Q7 - When an alkali metal dissolves in liquid ammonia, the solution acquires different colours. I	Explain? (3 Marks)
Q8 - Comment on the following: i) KO_2 is paramagnetic. ii) BeO is insoluble but $BeSO_4$ is soluble in water. iii) Lithium is the only alkali metal which forms nitride directly.	(3 Marks)
Q9 - Discuss the position of alkali metals in the periodic table. Also discuss the trends in some in atomic and physical properties in the group.	mportant

(5 Marks)