



Silent Bells



ഫസ്റ്റ് ബെൽ - അനുബന്ധ പഠനസഹായകസാമഗ്രി

STD: 10

Subject: Chemistry

Worksheet: Online class 13

Date: 04-08-2020

Chapter: Reactivity series and Electrochemistry



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Periodic Table

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;"> <p>Hints</p> <ul style="list-style-type: none"> Gases Liquids Artificial Elements </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Atomic number Symbol Name in English (Name in Latin/Greek)</p> </div> </div>																	
1 H Hydrogen																	2 He Helium
3 Li Lithium	4 Be Beryllium											5 B Boron	6 C Carbon	7 N Nitrogen	8 O Oxygen	9 F Fluorine	10 Ne Neon
11 Na Sodium (Natrium)	12 Mg Magnesium											13 Al Aluminium	14 Si Silicon	15 P Phosphorus	16 S Sulphur	17 Cl Chlorine	18 Ar Argon
19 K Potassium (Kalium)	20 Ca Calcium	21 Sc Scandium	22 Ti Titanium	23 V Vanadium	24 Cr Chromium	25 Mn Manganese	26 Fe Iron (Ferrum)	27 Co Cobalt	28 Ni Nickel	29 Cu Copper (Cuprum)	30 Zn Zinc	31 Ga Gallium	32 Ge Germanium	33 As Arsenic	34 Se Selenium	35 Br Bromine	36 Kr Krypton
37 Rb Rubidium	38 Sr Strontium	39 Y Yttrium	40 Zr Zirconium	41 Nb Niobium	42 Mo Molybdenum	43 Tc Technetium	44 Ru Ruthenium	45 Rh Rhodium	46 Pd Palladium	47 Ag Silver (Argentum)	48 Cd Cadmium	49 In Indium	50 Sn Tin (Stannum)	51 Sb Antimony (Stibium)	52 Te Tellurium	53 I Iodine	54 Xe Xenon
55 Cs Caesium	56 Ba Barium	57 La-Lu Lanthanum	58 Hf Hafnium	59 Ta Tantalum	60 W Tungsten (Wolfram)	61 Re Rhenium	62 Os Osmium	63 Ir Iridium	64 Pt Platinum	65 Au Gold (Aurum)	66 Hg Mercury (Hydrargyrum)	67 Tl Thallium	68 Pb Lead (Plumbum)	69 Bi Bismuth	70 Po Polonium	71 At Astatine	72 Rn Radon
87 Fr Francium	88 Ra Radium	89 Ac-Lr Actinium	90 Rf Rutherfordium	91 Db Dubnium	92 Sg Seaborgium	93 Bh Bohrium	94 Hs Hassium	95 Mt Meitnerium	96 Ds Darmstadtium	97 Rg Roentgenium	98 Cn Copernicium	99 Nh Nihonium	100 Fl Flerovium	101 Mc Moscovium	102 Lv Livermorium	103 Ts Tennessine	104 Og Oganesson
57 La Lanthanum	58 Ce Cerium	59 Pr Praseodymium	60 Nd Neodymium	61 Pm Promethium	62 Sm Samarium	63 Eu Europium	64 Gd Gadolinium	65 Tb Terbium	66 Dy Dysprosium	67 Ho Holmium	68 Er Erbium	69 Tm Thulium	70 Yb Ytterbium	71 Lu Lutetium			
89 Ac Actinium	90 Th Thorium	91 Pa Protactinium	92 U Uranium	93 Np Neptunium	94 Pu Plutonium	95 Am Americium	96 Cm Curium	97 Bk Berkelium	98 Cf Californium	99 Es Einsteinium	100 Fm Fermium	101 Md Mendelevium	102 No Nobelium	103 Lr Lawrencium			

1. Analyse the Periodic table and tabulate metals, non-metals and metalloids that are familiar to you.

Metals	Non-metals	Metalloids

2. Record your observation for the reaction of Mg, Cu, and Na with cold water and hot water.

Metal	In cold water	In hot water
Sodium		
Magnesium		
Copper		

3. What is the nature of the solution that causes the pink colour to form? Which gas is formed as a result of this reaction? Write down its balanced chemical equation.

4. Arrange these metals (Mg, Cu, Na) in the decreasing order of their reactivity.

