

Tugasan Cosp 1A

Arahan: Senaraikan nama dan simbol bagi 20 unsur pertama yang anda ingat
(*Instruction: Write the name and symbol for the first 20 elements that you know*)

Proton Number	Element	Symbol
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Tugas Cosp 1B

The Chemical Elements

Understand and memorize first 20 elements and its symbols according to its order

Proton Number	Element	Symbol
1	Hydrogen	H
2	Helium	He
3	Lithium	Li
4	Beryllium	Be
5	Boron	B
6	Carbon	C
7	Nitrogen	N
8	Oxygen	O
9	Fluorine	F
10	Neon	Ne
11	Sodium	Na
12	Magnesium	Mg
13	Aluminum	Al
14	Silicon	Si
15	Phosphorus	P
16	Sulfur	S
17	Chlorine	Cl
18	Argon	Ar
19	Potassium	K
20	Calcium	Ca

Tugas Cosp 1C

Rewrite the first 20 elements and its symbols according to their proton number

Proton Number	Element	Symbol
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

2B

2C

3A

3B

3C

Tugasan Cosp- 4A

Arahan: Tulis semua nama bagi ion monoatom bersama simbol yang anda ketahui
Insrtuction: Write all common monatomic ions and its symbol

Name of cations	Symbol of cations

Name of anions	Symbol of anions

Tugasan Cosp- 4B

Lists of common monatomic ions

Name of cations	Formula of Cations
Beryllium ion	Be^{2+}
Cesium ion	Cs^+
Zinc ion	Zn^{2+}
Barium ion	Ba^{2+}
Aluminum ion	Al^{3+}
Rubidium ion	Rb^+
Potassium ion	K^+
Calcium ion	Ca^{2+}
Cadmium ion	Cd^{2+}
Lithium ion	Li^+
Sodium ion	Na^+
Magnesium ion	Mg^{2+}
Silver ion	Ag^+

Name of anions	Formula of anion
Fluoride ion	F^-
Chloride ion	Cl^-
Bromide ion	Br^-
Nitride ion	N^{3-}
Oxide ion	O^{2-}
Peroxide ion	O_2^{2-}
Sulfide ion	S^{2-}
Iodide ion	I^-
Hydride ion	H^-

Tugasan Cosp- 4C

Rewrite all the common monatomic ions from task 4B

Name of cations	Symbol of cations

Name of anions	Symbol of anions

Tugas Cosp- 5A

Polyatomic Ions

Write the common polyatomic ions according to the right charge

Polyatomic Ions			
Write the name and the formula for the common polyatomic ions according to the right charge			
Ions with a 1- charge	Ions with a 2- charge	Ions with a 3- charge	Ions with a 1+ charge

Tugasan Cosp- 5B

Polyatomic Ions			
Memorize the common polyatomic ions according to the right charge			
Ions with a 1- charge	Ions with a 2- charge	Ions with a 3- charge	Ions with a 1+ charge
Manganate (VII) ion MnO₄⁻	Carbonate ion CO₃²⁻	Phosphite ion PO₃³⁻	Ammonium ion NH₄
Nitrite ion NO₂⁻	Chromate ion CrO₄²⁻	Phosphate ion PO₄³⁻	Hydronium H₃O⁺ the acid ion
Nitrate ion NO₃⁻	Dichromate ion Cr₂O₇²⁻		
Hydroxide ion OH⁻	Sulfite ion SO₃²⁻		
	Sulfate ion SO₄²⁻		
	Thiosulfate ion S₂O₃²⁻		

Tugasan Cosp- 5C

Polyatomic Ions

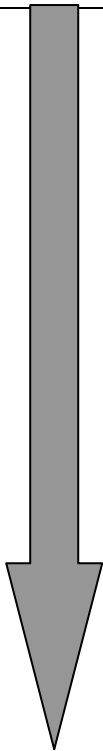
Write the name and the formula for the common polyatomic ions that you have memorized according to the right charge

Ions with a 1- charge	Ions with a 2- charge	Ions with a 3- charge	Ions with a 1+ charge

Tugasan Cosp- 6A

**ACTIVITY SERIES OF METALS
IN AQUEOUS SOLUTIONS**

Write the name or symbols for the metals according to their reactivity

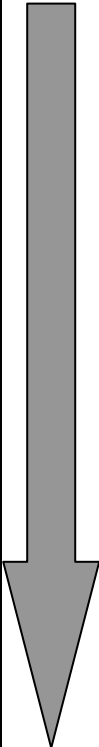
		<p><i>Least Active</i></p>

THE ELECTROCHEMICAL SERIES (ECS)

Write the name or symbols for the ions in the ECS according to their reactivity

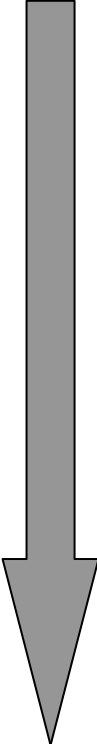
Cation

Anion

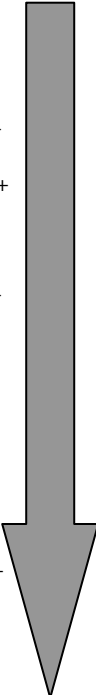
	 <p>EASE OF DISCHARGE INCREASES</p>	

Tugasan Cosp- 6B

**ACTIVITY SERIES OF METALS
IN AQUEOUS SOLUTIONS**

Potassium	K		
Sodium	Na		
Calcium	Ca		
Magnesium	Mg		<i>Least</i>
Aluminium	Al		<i>Active</i>
Zinc	Zn		
Iron	Fe		
Tin	Sn		
Lead	Pb		
Copper	Cu		
Silver	Ag		

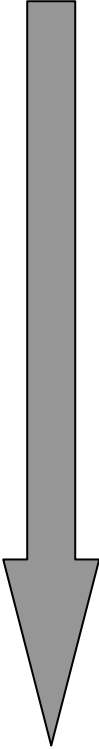
THE ELECTROCHEMICAL SERIES (ECS)

Cation			Anion		
Potassium ion	K^+		Fluoride ion	F^-	
Sodium ion	Na^+		Sulphate ion	SO_4^{2-}	
Calcium ion	Ca^{2+}		Nitrate ion	NO_3^-	
Magnesium ion	Mg^{2+}		Chloride ion	Cl^-	
Aluminium ion	Al^{3+}		EASE OF	Bromide ion	Br^-
Zinc ion	Zn^{2+}		DISCHARGE	Iodide ion	I^-
Iron ion	Fe^{2+}		INCREASES	Hydroxide ion	OH^-
Tin ion	Sn^{2+}				
Lead ion	Pb^{2+}				
Hydrogen ion	H^+				
Copper ion	Cu^{2+}				
Silver ion	Ag^+				

Tugasan Cosp- 6C

**ACTIVITY SERIES OF METALS
IN AQUEOUS SOLUTIONS**

Rewrite the name or symbols for the metals according to their reactivity

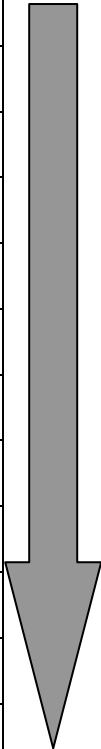
		<i>Least Active</i>

REWRITE IONS IN ELECTROCHEMICAL SERIES (ECS)

Rewrite the name or symbols for the ions according to their reactivity

Cation

Anion

	 <p>EASE OF DISCHARGE INCREASES</p>	