



Subject: Grade 7 Natural Sciences

Topic: Periodic Table of Elements

Total: 37 Marks

Name: _____

Date: _____

Question 1: Multiple Choice

4 marks

Which one of the following is NOT a characteristic of most metals?

- | | |
|----------|-------------------|
| A | shiny |
| B | ductile |
| C | malleable |
| D | low boiling point |
-

This image refers to question: 2, 3, 4, 5

Periodic Table of the Elements

1 H Hydrogen 1.008																	2 He Helium 4.003
3 Li Lithium 6.941	4 Be Beryllium 9.012											5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180
11 Na Sodium 22.990	12 Mg Magnesium 24.305											13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.732	32 Ge Germanium 72.631	33 As Arsenic 74.922	34 Se Selenium 78.971	35 Br Bromine 79.904	36 Kr Krypton 84.738
37 Rb Rubidium 84.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.414	49 In Indium 114.818	50 Sn Tin 118.711	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.904	54 Xe Xenon 131.294
55 Cs Cesium 132.905	56 Ba Barium 137.328	57-71 Lanthanides	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.227	78 Pt Platinum 195.085	79 Au Gold 196.967	80 Hg Mercury 200.592	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium [208.982]	85 At Astatine 209.987	86 Rn Radon 222.018
87 Fr Francium 223.020	88 Ra Radium 226.025	89-103 Actinides	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [269]	109 Mt Meitnerium [278]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [280]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [289]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]
57 La Lanthanum 138.905	58 Ce Cerium 140.116	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.243	61 Pm Promethium 144.913	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.500	67 Ho Holmium 164.930	68 Er Erbium 167.259	69 Tm Thulium 168.934	70 Yb Ytterbium 173.055	71 Lu Lutetium 174.967			
89 Ac Actinium 227.028	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium 243.061	96 Cm Curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium [254]	100 Fm Fermium 257.095	101 Md Mendelevium 258.1	102 No Nobelium 259.101	103 Lr Lawrencium [262]			

Alkali Metal

Alkaline Earth

Transition Metal

Basic Metal

Semimetal

Nonmetal

Halogen

Noble Gas

Lanthanide

Actinide

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Question 2: Multiple Choice

4 marks

On the Periodic Table the symbol for the element **sodium** is

- | | |
|----------|----|
| A | S |
| B | So |
| C | Na |
| D | O |

Question 3: True/False

2 marks

All symbols on the Periodic Table are capital letters or start with capital letters.

- | | |
|-------------|--------------|
| TRUE | FALSE |
|-------------|--------------|

Question 4: True/False

2 marks

The symbol for **magnesium** on the Periodic Table is **Mn**.

 TRUE FALSE**Question 5: Text Input**

3 marks

K is the symbol for ... on the Periodic Table.

Question 6: Multiple Choice

4 marks

The symbol of the element that is most suitable for filling balloons at parties is

- | | |
|----------|----|
| A | H |
| B | He |
| C | Ar |
| D | F |

Question 7: Text Input

3 marks

A pure substance that cannot be broken down into simpler substances is called an

Question 8: Please Fill In The Blanks

8 marks

Identify the element that best fit each of the following descriptions:

Used to make cooldrink cans: (1) .

Makes up most of the air we breathe: (2) .

The part of a pencil that is used for writing: (3) .

Used to disinfect drinking water: (4) .

Possible Answers: aluminium | iron | nitrogen | oxygen | chlorine | fluorine | carbon | lead

1	
3	

2	
4	

Question 9: Multiple Choice

4 marks

Which one of the following is a property of the element sulfur?

- | | |
|----------|---------------------------------------|
| A | good electrical conductor |
| B | shiny, grey solid at room temperature |
| C | poor conductor of heat |
| D | can be shaped without breaking |

Question 10: Text Input

3 marks

... is the only metal that is not a solid at room temperature.

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Total: 37 Marks