DAILY G.K SET- 14			
1. Potassium is a chemical el	lement with the symbol:	C. Bleaching powder	D. Blue Vitriol
A. Na B. K C. S D. Ca		11. Lichens are constituted by	
2. Which one of the followin	g is NOT a compound?	A. Fern & Fungi	B. Algae & Bryophata
A. Sodium Chloride	B. Carbon Monoxide	C. Bacteria & Virus	D. Fungi & Algae
C. Iron	D. Water	12. Which one of the following	g hormone is called
3. There are some plastics that when moulded once		"Emergency Hormone"?	
cannot be softened by heating	ng. These are called	A. Adrenaline	B. Thyroxine
•		C. Vasopressin	D. Insulin
A. thermoplastic polyurethanes (TPU)		13. Malaria is transmitted from one person to another	
B. high-density polyethene (HDPE)		by:	
C. polyvinyl chloride		A. Aedes Mosquito	B. Culex Mosquito
D. thermosetting polymers		C. Anopheles Mosquito	D. All of the above
4. Which among the following gases is also known as		14. Conglobated gland is a lea	af like structure found in
'Laughing Gas'?	ļ	A. Female Cockroach	B. Male Cockroach
A. Sulphur dioxide	B. Nitrogen oxide	C. Male Asearis	D. Female Ascaris
C. Carbon dioxide	D. Carbon monoxide	15. A vitamin requires cobalt	for its activity. The
5. Which of the following is	NOT a noble gas?	vitamin is	•
A. Helium	B. Hydrogen	A. Vitamin B ₁₂	B. Vitamin D
C. Neon	D. Argon	C. Vitamin B ₂	D. Vitamin A
6. Which of the following substances is used as a		16. Black death is	
substitute for chlorine in bleaching?		A. Cancer	B. Plague
A. Ethanal	B. Liquid carbon dioxide	C. AIDS	D. Gonorrhoea
C. Hydrogen peroxide	D. Tetrachloroethene	1 <mark>7. Which of the following we</mark>	eds has been found useful
7. Which of the following metals in pure form has the		to check water pollution caused by industrial effluents?	
highest melting point?		A. Parthenium	B. Elephant grass
A. Gold	B. Tungsten	C. Water hyacinth	D. Both (1) and (2) above
C. Copper	D. Platinum	18. The pigment that protects plants from the harmful	
8. Which chemical law proposes that 'soft drinks and		effect of ultraviolet rays is	
soda bottles are sealed under high pressure to increase		A. Chlorophyll	B. Carotenoid
the solubility of CO ₂ '?		C. Phycocyanin	D. Plastid
A. Dalton's law	B. Henry's law	19. Glycogen, starch and cellulose are polymers of	
C. Ohm's law	D. Raoult's law	which of following?	
9. Which of the following so	lvent is known as Universal	A. Fructose	B. Glucose
Solvent?		C. Lactose	D. Maltose
A. Kerosene	B. Alcohol	20. The biological decomposit	tion of organic substances
C. Acetone	D. Water	in wastes under controlled conditions known as	
10. ZnSO ₄ . 7H ₂ O is the chemical formula of which		A. Composting	B. Incineration
substance?		C. sanitary landfill	D. Pyrolysis
A. Green Vitriol	B. White Vitriol		
		•	
<u>ANSWER</u>			
1 Angwar Ontion R			

Answer : Option B

- The symbol of Potassium is K
- The symbol of Sodium is Na.
- The symbol of **Sulphur is S**
- The symbol of calcium is Ca
- Some other unique symbols are
- Some otner unique symbols are

Gold-Au

Silver-Ag

Tin-Sr

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Lead-Pb

Antimony-Sb

Iron-Fe

Mercury-Hg

Tungsten-W

2. Answer: Option C

- Iron is not a compound. It is an element with symbol Fe and atomic number 26.
- **Sodium Chloride** is common salt with chemical formula NaCl. It is an ionic compound with 1:1 ratio of Sodium and Chloride ions.
- Carbon Monoxide is a chemical compound consists of one carbon and one oxygen atom connected by covalent bond. It is also known as Silent Killer. It's chemical formula is CO.
- Water is a chemical compound represented as H2O. Here also hydrogen and oxygen atoms are connected by covalent bonds.
- 3. Answer: Option D
- The **thermosetting polymers** is a permanent setting polymer that gets hardened and sets during moulding process and cannot be softened again.
- They are usually soft solid or liquid. Heat provides energy for chemical reactions that increases the cross-linking between polymer chains.
- 4. Answer: Option B
- Nitrogen Oxide/Nitrous oxide is known as "Laughing Gas".
- It is a chemical compound, an oxide of Nitrogen with the formula- N₂O.
- It is a colourless non-flammable gas, when inhaled, the gas slows down the body's reaction time.
- 5. Answer: Option B
- **Hydrogen** is not a noble gas.
- The six noble gases are helium (He), neon (Ne), argon (Ar), krypton (Kr), xenon (Xe), and radon (Rn).
- Their atomic numbers are, respectively, 2, 10, 18, 36, 54, and 86.
- 6. Answer: Option C
- Hydrogen peroxide is used as a substitute for chlorine in bleaching.
- Chlorine, sodium hypochlorite, calcium hypochlorite, and hydrogen peroxide are commonly used as bleaches.
- 7. Answer: Option B
- Tungsten is the metal in pure form that has the highest melting point and lowest vapour pressure.
- It is a chemical element with the symbol W and atomic number 74.
- It is also a rare metal found naturally on Earth but combined with other elements in chemical compounds rather than alone.
- **8. Answer**: Option B
- Henry's law proposes that 'soft drinks and soda bottles are sealed under high pressure to increase the solubility of CO2'.

- The mass of a gas dissolved in a unit volume of the liquid at constant temperature is directly proportional to the pressure of the gas present in equilibrium with the liquid.
- 9. Answer: Option D
- * Water is called the "universal solvent" because it dissolves more substances than any other liquid.
- * This is important to every living thing on earth.
- * Water is capable of dissolving a variety of different substances, which is why it is such a good solvent.
- 10. Answer: Option B
- Zink Sulphate has the formula ZnSO4.7H2O.
- It was historically known as "white vitriol".
- Vitriol is an archaic name for a sulfate.
- In medicine it is used together with oral rehydration therapy (ORT) and an astringent.
- 11. Answer: Option D
 - A lichen is not a single organism. Rather, it is a symbiosis between different organisms a fungus and an alga or cyanobacterium.

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• Cyanobacteria are sometimes still referred to as 'blue-green algae', though they are quite distinct from the algae. The non-fungal partner contains chlorophyll and is called the photobiont. The fungal partner may be referred to as the mycobiont.

12. Answer: Option A

Adrenaline: A stress hormone produced within the adrenal gland that quickens the heart beat, strengthens the force of the heart's contraction, and opens up the bronchioles in the lungs, among other effects. The secretion of adrenaline is part of the human 'fight or flight' response to fear, panic, or perceived threat. Also known as epinephrine.

13. Answer: Option C

- Anopheles is a genus of mosquito can transmit human malaria.
- **Malaria** is an infectious disease caused by parasites that invade red blood cells. The protozoan parasites are among several species of the genus Plasmodium.

14. Answer: Option B

- The conglobate gland of **male cockroaches** is a reproductive organ anatomically close to the accessory glands.
- It is is involved in the formation of the spermatophore.

15. Answer: Option A

Vitamin B12 also called **cobalamin**, is a water-soluble vitamin with a key role in the normal functioning of the brain and nervous system, and for the formation of blood. It is one of the eight B vitamins. It is normally involved in the metabolism of every cell of the human body, especially affecting DNA synthesis and regulation, but also fatty acid metabolism and amino acid metabolism. Neither fungi, plants, nor animals (including humans) are capable of producing vitamin B_{12} . Only bacteria and archaea have the enzymes required for its synthesis, although many foods are a natural source of B_{12} because of bacterial symbiosis. The vitamin is the largest and most structurally complicated vitamin and can be produced industrially only through bacterial fermentation-synthesis.

16. Answer :Option B

The Black Death in an epidemic of bubonic plague, a disease caused by the bacterium Yersinia pestis that circulates among wild rodents where they live in great numbers and density. Such an area is called a 'plague focus' or a 'plague reservoir'.

Hence, option B is correct.

17. Answer : Option C

Water hyacinth weeds have been found useful to check heavy metal pollution of water bodies that are caused by industrial effluents. The water hyacinth (Eichhornia crassipes) is a common aquatic plant in many tropical countries. Its ability is to absorb nutrients and other elements from the water bodies. This plant absorbs industrial effluents and other heavy material from the polluted water and it also makes the water useful for purification purposes.

Hence, option C is correct.

18. Answer: Option B

- The pigments that protect plants from the harmful effect of ultraviolet rays is Carotenoid.
- Carotenoids are organic pigments that are found in the chloroplasts and chromoplast of plants and some other photosynthetic organisms, including some bacteria and some fungi.
- Hence, option B is correct.

19. Answer: Option B

- Glycogen, starch and cellulose are polymers of Glucose.
- The main structural difference comes from the difference in the sequence of bonds in glycogen and cellulose and starch where the three of them composed mainly of glucose.
- They differ in the type of glucose present and the bonds which link the glucose monomers together.

20. Answer: Option A

Composting is nature's process of recycling decomposed organic materials into a rich soil known as compost. Anything that was once living will decompose. Basically, backyard composting is an acceleration of the same process nature uses.