Question Paper

Subject: Science

Grade: 9th

Set-3

Q.N	Folder name & Questio n Code	Topic	Question with Answer Option	Image (If Any)	Correct Answer (Option-A,B,C,D)
1	2_9 Science 6170	IS MATTER AROUND US PURE	Minu found a mineral that was able to scratch a knife blade and it did not split into pieces. Identify the mineral found by her.	<section-header><section-header><section-header></section-header></section-header></section-header>	D
	I		Answer Options	I	
		Option A Wulfenite	Option B Chalcopyrite	Option C Malachite	Option D Pyrite

2	2_9 science 6172	IS MATTER AROUND US PURE	What can we say about the hardness of a material that scratches a knife blade?	Use both the tables and flow chart given on this page to answer the question The second seco	В
	L	1	Answer Options	(Onlinyin) Creater	
			-		
		Option A It will be 4 or more.	Option B It will be 6 or more.	Option C It will be between 6 and 9.	Option D It will be between 4
				it will be between 0 and 9.	and 6.
3		IS MATTER	Which of these minerals has a yellowish	Use both the tables and flow	D
	2_9 Science 6171	AROUND US PURE	shade and cleaves regularly?	chart given on this page to answer the question Trate 1 are transformed by Catorite 3 are transformed by Catorite 1 are transformed by Catorite 3 are transformed by Catorite 1 are t	

	Answer Options					
		Option A Pyrite	Option B Cinnabar	Option C Chalcopyrite	Option D Wulfenite	
4	4_23 Science 9168	MATTER	A small cube is fixed to the corner of a large cube as shown here.From which of the directions (indicated by the arrows above) would the view of the object be as shown below?		A	
			Answer Options			

		Option A	Option B	Option C	Option D
		Only 1	4 and 6	3 and 5	Only 2
	4_24	MATTER	Till Fredrick Wohler synthesized urea in		
5	Science		the laboratory, it was believed that only		А
	10395		living organisms could produce organic		
			molecules. According to people who		
			believed this, which of these compounds		
			could NOT be synthesized from chemicals		
			in a laboratory?		
			Answer Options		
		Option A	Option B	Option C	Option D
		Sugar	Water	Salt	Hydrogen gas
6	2_9	Atoms and	A piece of zinc (Zn) - a reactive metal - was		A
	Science	molecules	dropped into a test tube containing		
			hydrochloric acid (HCl). The bubbling in		
			the tube indicated that a gas was released.		
	6147		The gas could be which of these?		
			Answer Options		
		Option A	Option B	Option C	Option D
		Hydrogen H ₂	Oxygen O ₂	Methane CH ₄	Carbon dioxide CO ₂
7	2_9	Atoms and	The first four compounds in a chemical		В
	Science	Molecules	series are CH ₄ ,		
	6141		C_2H_6		
			C ₃ H ₈		
			C ₄ H ₁₀ ,		
			Identify the fifth.		

	Answer Options					
		Option A C ₅ H ₁₀	Option B C ₅ H ₁₂	Option C C ₆ H ₁₂	Option D C ₆ H ₁₄	
8	3_15 Science 3635	Atoms and Molecules	What happens to the individual molecules in a vegetable when we eat the vegetable?		D	
			Answer Options	I	1	
		Option A Individual molecules are always broken down into their constituent atoms during the digestion process.	Option B Individual molecules are always completely destroyed during the process of eating and digestion.	Option C Individual molecules are always unaffected and stay in their original form in our bodies.	Option D Individual molecules may stay unaffected or their atoms may recombine to form different molecules.	
9	3_16 Science 2496	Atoms and Molecules	Which of these is/are conserved during a chemical reaction?		C	
			Answer Options		1	
		Option A mass only	Option B charge only	Option C both mass and charge	Option D neither mass nor charge	

10	3_16 Science 2508	Atoms and Molecules	The carbon atom forms a part of all the major molecules found in living things. Which of the following does not contain carbon?		В
	1		Answer Options		I
		Option A DNA	Option B HCl	Option C Plastics	Option D Diesel
11	3_17 Science 1825	STRUCTURE OF ATOM	Compared to a chlorine atom, Cl, a chlorine ion Cl ⁻ , will have		C
		<u> </u>	Answer Options		
		Option A one proton less	Option B one neutron more	Option C one electron more	Option D one neutron less and one proton less
12	3_17 Science 1836	Atom and molecules	Do atoms have colour?		D
			Answer Options		

		Option A	Option B	Option C	Option D
		Yes. Atoms have	Yes. Atoms have different colour	No. All atoms are colourless	(The question is
		different colours	depending on the state of substance.	(that is, they are	meaningless as
		depending on their		transparent.)	colour has no
		atomic			meaning at the
		composition.			atomic level)
		ATOMS AND	In 1911, the physicist Ernest Rutherford		В
	4_23	MOLECULES	discovered that atoms have tiny, dense		
13	Science		nucleii by shooting positively charged		
	9160		particles at a very thin gold foil, Which		
			physical property of gold was used by		
			Rutherford in his gold leaf experiment?		
			Answer Options		<u> </u>
		Option A	Option B	Option C	Option D
		non corrosive	highly malleable	highly ductile	non reactive
			An ion with 13 protons, 14 neutrons, and a		В
	4_23	ATOMS AND	charge of 3 ⁺ has an atomic number of		
14	Science	MOLECULES			
	9139				
-			Answer Options		
		Option A	Option B	Option C	Option D
		10	13	14	27
1					

15	3_17 Science 1831	STRUCTURE OF ATOM	Which element is found in both sodium chlorate and zinc nitrate?		C
		Option A nitrogen	Answer Options Option B Hydrogen	Option C oxygen	Option D Chlorine