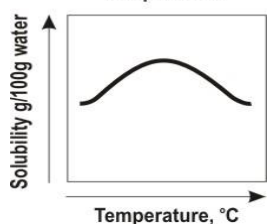
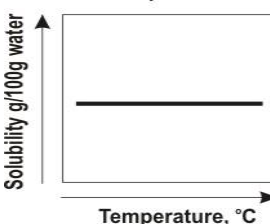
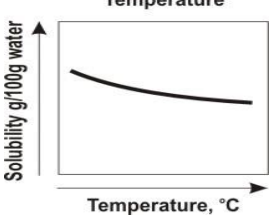
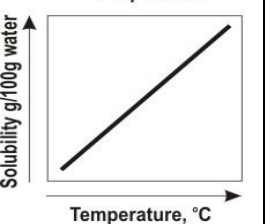
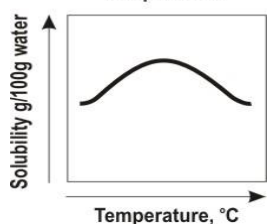
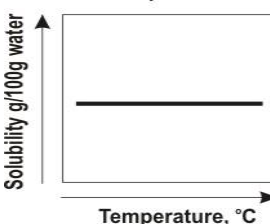
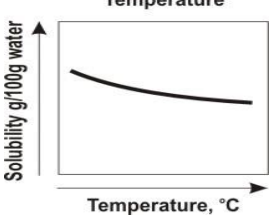
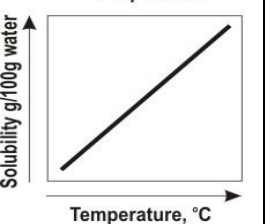
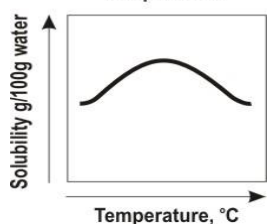
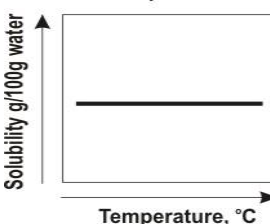
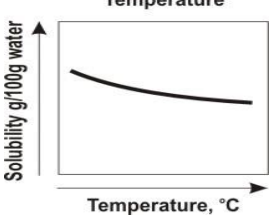
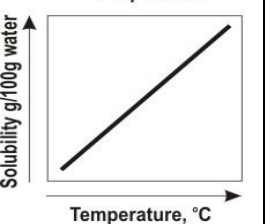


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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)										
1.	4_23 Science 9112	Chapter 4 Materials : Metals and Non-Metals	A hydro carbon C ₄ H ₁₀ has a boiling point of 0°C. Assuming it is stable at 25°C, what would be its state at that temperature(all other conditions like pressure remaining the same)?		C										
<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>Solid</td><td>Liquid</td><td>Gas</td><td>(Cannot predict without knowing the melting point)</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	Solid	Liquid	Gas	(Cannot predict without knowing the melting point)
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)										
2.	4_24 Science 10336	Chapter 4 Materials : Metals and Non-Metals	When wet turmeric powder is added to lime (chuna used with betel leaves), the turmeric turns red. What could you add to change it back to yellow?		D										

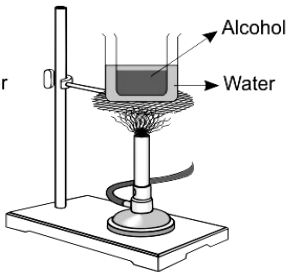
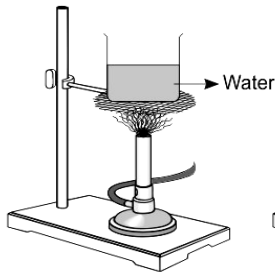
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		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>Soap</td><td>Detergent</td><td>Table salt</td><td>Vinegar</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	Soap	Detergent	Table salt	Vinegar
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
3.	4_23 Science 9123	Chapter 4 Materials : Metals and Non-Metals	Most gases become more soluble in a liquid as the temperature of the liquid is reduced. Which graph BEST shows this relationship?		C												
		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td> Solubility of Gases vs. Temperature </td><td> Solubility of Gases vs. Temperature </td><td> Solubility of Gases vs. Temperature </td><td> Solubility of Gases vs. Temperature </td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	Solubility of Gases vs. Temperature 	Solubility of Gases vs. Temperature 	Solubility of Gases vs. Temperature 	Solubility of Gases vs. Temperature 
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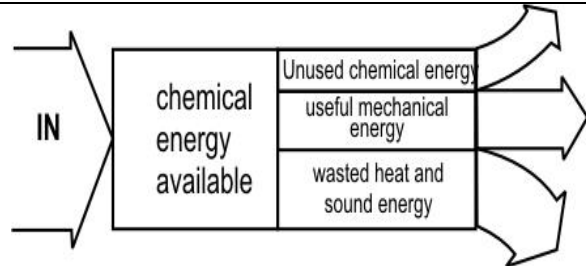
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
4.	4_24 Science 10311	Chapter 4 Materials : Metals and Non-Metals	Sliced apples, when kept in water, take longer to turn brown than those kept outside. This is because of the enzymes, the proteins which speed up the biochemical reactions, present in an apple. Which of the following could be the reason for this?		B												
		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>The enzymes react with water and produce a white coating.</td><td>The enzymes do not have access to oxygen.</td><td>The enzymes cannot work at such low temperatures.</td><td>The enzymes die in the presence of water.</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	The enzymes react with water and produce a white coating.	The enzymes do not have access to oxygen.	The enzymes cannot work at such low temperatures.	The enzymes die in the presence of water.
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												

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5.	3_16 Science 2460	Chapter 4 Materials : Metals and Non-Metals	Figure P below shows a beaker of water being heated directly. However, some liquids like alcohol are heated using a water bath (figure Q). Which of these is NOT likely to be a reason for water baths to be used	 Figure P Figure Q	C													
		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>It is safer to use them with inflammable liquids.</td><td>It allows more uniform heating of the liquid.</td><td>It is a faster way of heating a liquid.</td><td>It is convenient for liquids with low boiling points.</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	It is safer to use them with inflammable liquids.	It allows more uniform heating of the liquid.	It is a faster way of heating a liquid.	It is convenient for liquids with low boiling points.	
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)													
6.	2_10 Science 4199	Chapter -5 Coal and Petroleum	The source of energy for the earth's water cycle is/are		B													
		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>The seas</td><td>The sun</td><td>The earth’s rotation</td><td>Evaporation</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	The seas	The sun	The earth’s rotation	Evaporation	
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
7.	0_0 Science 9082	Chapter -5 Coal and Petroleum	The energy transformations shown in the figure are seen in which of these?		D												
		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>kerosene in a lamp</td><td>battery in a torch</td><td>coal in a fire place</td><td>petrol in a car</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	kerosene in a lamp	battery in a torch	coal in a fire place	petrol in a car
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
8.	2_9 Science 6114	Chapter -5 Coal and Petroleum	A train with a diesel engine is not connected to any external source of electricity while it is moving. What is the MAIN source of the electricity on which the fans and lights in the coaches run?		C												

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		<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>The train draws power from electrical wires overhead.</td><td>The train draws power through the tracks.</td><td>The train generates power from its motion using a generator</td><td>The train carries a large battery that provides electricity during its journey.</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	The train draws power from electrical wires overhead.	The train draws power through the tracks.	The train generates power from its motion using a generator	The train carries a large battery that provides electricity during its journey.	
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)		Correct Answer (Option – A, B, C, D)												
9.	2_9 Science 5019	Chapter -5 Coal and Petroleum	The students of a class were asked to look for fossils. Given below are four different rocks and how they are formed. Which of the rocks is most likely to contain fossils?	<table><tr><th>Rock</th><th>How it is formed</th></tr><tr><td>P</td><td>Formed by deposition of sediments one layer over the other</td></tr><tr><td>Q</td><td>Formed by cooling and solidification of extremely molten material</td></tr><tr><td>R</td><td>Formed by being subjected to heat, compression and chemicals</td></tr><tr><td>S</td><td>Formed by slow solidification of magma from volcanoes cooling before reaching the Earth's surface</td></tr></table>		Rock	How it is formed	P	Formed by deposition of sediments one layer over the other	Q	Formed by cooling and solidification of extremely molten material	R	Formed by being subjected to heat, compression and chemicals	S	Formed by slow solidification of magma from volcanoes cooling before reaching the Earth's surface	A		
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Answer Options																		
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
10.	1_3 Science 6720	Chapter -5 Coal and Petroleum	- Which BEST describes the surface of the Earth over billions of years?		C												
		<table><tr><td colspan="4">Answer Options</td></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td>A flat surface is gradually pushed up into higher and higher mountains until it is covered with mountains.</td><td>High mountains gradually wear down until most of the Earth is at sea level.</td><td>High mountains gradually wear down as new mountains are continuously being formed, over and over again.</td><td>High mountains and flat plains stay side by side for billions of years with little change.</td></tr></table>				Answer Options				Option A	Option B	Option C	Option D	A flat surface is gradually pushed up into higher and higher mountains until it is covered with mountains.	High mountains gradually wear down until most of the Earth is at sea level.	High mountains gradually wear down as new mountains are continuously being formed, over and over again.	High mountains and flat plains stay side by side for billions of years with little change.
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
11.	1_3 Science 6694	Chapter -5 Coal and Petroleum	Which among these is NOT an alternative energy source?		D												
		<table><tr><td colspan="4">Answer Options</td></tr><tr><td>Option A</td><td>Option B</td><td>Option C</td><td>Option D</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				Answer Options				Option A	Option B	Option C	Option D				
		Answer Options															
Option A	Option B	Option C	Option D														

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		Wind		Sun		Water		Natural Gas		
12.	0_0 Science 9098	Chapter -5 Coal and Petroleum	Crude oil is usually not used as a fuel. Which among these is NOT a reason for this?						C	
				Answer Options						
				Option A	Option B	Option C	Option D			
				Crude oil is a resource from which many other fuels can be extracted.	Naphtha, got from crude oil, is a raw material for many important chemicals.	Crude oil is a non renewable resource and thus has to be conserved.	Crude oil does not burn completely and produces a very smoky flame.			
13.	1_3 Science 6696	Chapter -5 Coal and Petroleum	This graphical bar shows the different proportions of elements in the earth's crust. Minerals are formed from these elements . Choose the mineral that is likely to be found more than the others.	OXYGEN SILICON OTHERS (Al, Na, K, Ca, C, Cu, Mg)					A	
				Answer Options						
				Option A	Option B	Option C	Option D			

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		quartz (SiO ₂)	gold (Au)	diamond (a form of carbon)	copper (Cu)	
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
14.	0_0 Science 9089	Chapter -5 Coal and Petroleum	Which of these best explains why a chullah fire (or a camp fire) burns brighter when it is fanned?		C												
<table><tr><th colspan="4">Answer Options</th></tr><tr><th>Option A</th><th>Option B</th><th>Option C</th><th>Option D</th></tr><tr><td>the air tries to put out the fire, so the fire burns brighter</td><td>the amount of fuel available to the fire increases</td><td>the amount of oxygen available to burn increases</td><td>it removes the burnt ashes allowing the wood to burn</td></tr></table>						Answer Options				Option A	Option B	Option C	Option D	the air tries to put out the fire, so the fire burns brighter	the amount of fuel available to the fire increases	the amount of oxygen available to burn increases	it removes the burnt ashes allowing the wood to burn
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S.N	Folder Number & Question Code	Topic/Chapter	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
15.	2_9 Science	Chapter -5 Coal and Petroleum	Which of the following process/processes help in INCREASING the O2 content in air?		B												

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	5014				
		Answer Options			
		Option A	Option B	Option C	Option D
		Respiration	Photosynthesis	Burning of fuel	Volcanic eruptions