


Question Paper

Subject: Science

Grade: 9th

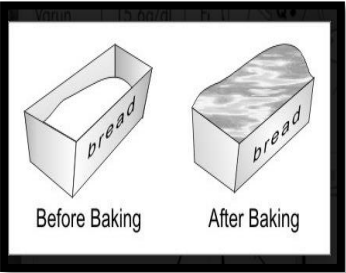
Set-1

Q.N	Folder name & Question Code	Topic	Question with Answer Option	Image (If Any)	Correct Answer (Option-A,B,C,D)
1	3_16 Science 2524	Matter In Our Surroundings.	People sometimes add salt to the water in which eggs are to be boiled. What is the MAIN reason for this?		B
Answer Options					
		Option A Adding salt to the water before the egg is cooked makes the egg tastier.	Option B Adding salt to the water increases its boiling point and cooks the egg better.	Option C Adding salt to the water reduces the water temperature cooking the egg faster.	Option D Adding salt to the water kills micro organisms making the egg safer to eat.

2	3_15 Science 3638	Matter In Our Surroundings	Rama suspects that the LPG cylinder is leaking, and immediately turns the cylinder valve to the OFF position. What should she do next?		C
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Answer Options

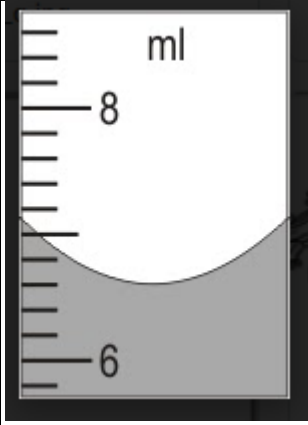
		Option A Switch on all lights.	Option B Switch off all lights.	Option C Open all the windows.	Option D Close all the windows.
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3	3_16 Science 2523	Matter in our surroundings	A lump of bread dough in a baking tin contains air and carbon dioxide released by the yeast cells. When heated the dough rises to about twice its size. In this case, the increase in temperature has resulted in _____.		A
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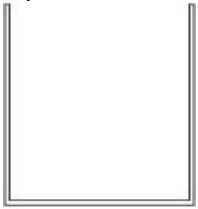


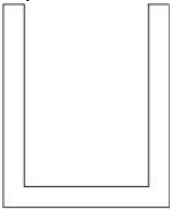
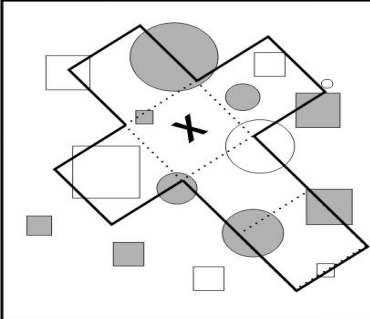
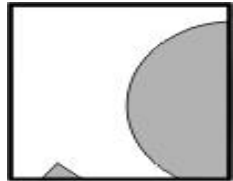
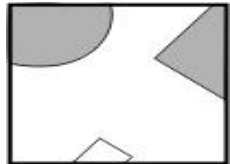
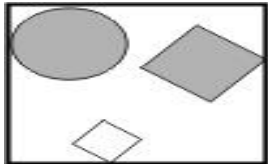
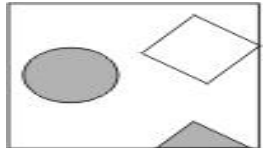
Answer Options

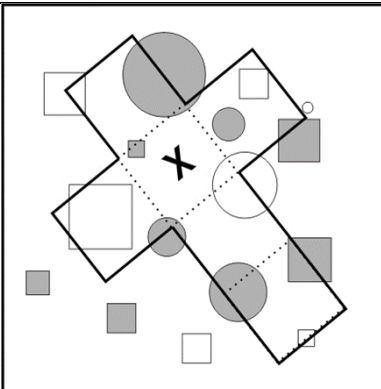
		Option A an increase in volume while the pressure remained constant.	Option B an increase of pressure while the volume remained constant.	Option C an increase in both volume and pressure.	Option D a decrease in both volume and pressure.
4	2_9 Science 6130	Matter in our surroundings	When a substance changes from LIQUID to GASEOUS state, it is said to EVAPORATE. Some substances change from SOLID to GASEOUS state without passing through the LIQUID state. They are then said to		D
Answer Options					
		Option A evaporate.	Option B condense.	Option C diffuse.	Option D sublime.
5	2_9 Science 5087	Matter in our surroundings	Both AIR CONDITIONERS and AIR COOLERS can be used to cool rooms. What is the main difference in the effect they produce?		B
Answer Options					

		Option A They are basically the same, but air conditioners cool much more.	Option B Air conditioners control the humidity of the room also, unlike air coolers.	Option C They are basically the same, but air conditioners are meant for light use only.	Option D They are basically the same, but air coolers can be used only for a few hours at a stretch.
6	3_15 Science 3643	Matter In Our Surroundings	Mercury can vaporize if heated. This means that with enough heat mercury can_____.		C
Answer Options					
		Option A be destroyed	Option B become water vapour	Option C be changed into a gas	Option D change from a liquid to a solid.
7	3_15 Science 3648	Matter in our surroundings	A student wishes to test whether adding a substance (called an anti-freeze) to water lowers the freezing point of the water. Measuring which of these variables will help her arrive at a conclusion?		C
Answer Options					

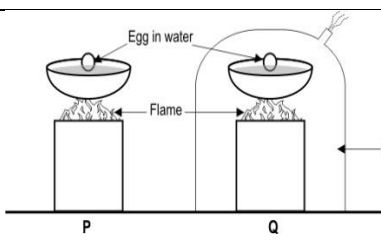
		Option A Amount of water put into the container	Option B Amount of anti-freeze added to the water	Option C Temperature at which the mixture freezes	Option D Type of thermometer used to make the measurement
8	3_15 Science 3663	Matter In Our Surroundings	The density of water is 1 g/cc. Ice floats on water with 90% of its volume inside the water. What will be the mass of a cube of ice of side 3 cm?		C
Answer Options					
		Option A 27 g	Option B 30 g	Option C 24.3 g	Option D
9	3_15 Science 3636	Matter in our surroundings	The figure shows the amount of water in a graduated test-tube. The curved surface shown is called the meniscus. What is the correct reading of the volume of liquid?		D
Answer Options					

		Option A 7.1 ml	Option B 7.2 ml	Option C 6.8 ml	Option D 6.6 ml
10	2_9 Science 6151	Matter in our surroundings	Many modern tanks for water and liquid fuels are made spherical in nature. What could be the reason behind this?		B
Answer Options					
		Option A It is easier to build spherical tanks compared to tanks of other shapes.	Option B For a given surface area, spherical tanks enclose maximum volume.	Option C It is easier to transport spherical tanks when repairs, etc. are required.	Option D Liquids get preserved better when they are stored in spherical tanks.
11	2_9 Science 6148	Matter in our surroundings	Ramesh has to pour out boiling hot water into a glass. He has four glasses of the same size but of different THICKNESSES. Which of them is LEAST LIKELY to break, if hot water is poured into it?		A
Answer Options					

		Option A 	Option B 	Option C 	Option D 
		A.	B.	C.	D.
12	2_9 Science 6173	Matter in our surroundings	A box is made by cutting and folding a thick sheet having a pattern drawn on it as shown. What will the face OPPOSITE TO THE FACE MARKED 'X' look like		B
Answer Options					
		Option A 	Option B 	Option C 	Option D 

13	2_9 Science 6174	Matter in our surroundings	A box is made by cutting and folding a thick sheet having a pattern drawn on it as shown. How many faces of the cube will have a complete circle?		B
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Answer Options

		Option A 0	Option B 1	Option C 2	Option D 3
14	2_9 Science 5055	Matter in our surroundings	Setup P below shows an egg being boiled. In setup Q, a similar arrangement is used, but inside an apparatus which creates near-vacuum conditions. Will the egg in setup Q get cooked faster?		C

Answer Options

		Option A Yes, lower pressure lowers the boiling point, so the water and egg will boil earlier than setup P.	Option B No, lower pressure raises the boiling point, so the water and egg will boil later than setup P.	Option C No, lower pressure lowers the boiling point; the water will boil away quickly but the egg will not boil	Option D Yes, lower pressure raises the boiling point, so the water will get hotter and the egg will boil faster
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15	4_24 Science 10376	Matter in our surrounding	Which phase change at standard temperature and pressure represents sublimation?		A
Answer Options					
		Option A CO(s) - CO(g)	Option B H(l) - H(g)	Option C CO(l) - CO(g)	Option D H(s) - H(l)