

**QUESTION PAPER**  
**SET- 8**  
**SUBJECT : SCIENCE**  
**GRADE : 6**

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )				
1.	2_10 Science 4101	Changes around us	A tight metal lid on a jar of jam loosens when it is held in hot water because the hot water causes the _____.		D				
						<b>Answer Options</b>			
						<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
		Glass jar to contract.	Metal lid to contract.	Glass jar to expand more than the metal lid.	Metal lid to expand more than the glass jar.				
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2.	2_10 Science 4107	Changes around us	Which option correctly identifies processes X and Y? Process X: Gives out both heat and light. Process Y: Carried out by both plants and animals	<b>Process X</b>	<b>Process Y</b>	D			
				<b>A</b>	Respiration		Photosynthesis		
				<b>B</b>	Decay		Respiration		
				<b>C</b>	Photosynthesis		Burning		
				<b>D</b>	Burning		Respiration		

Answer Options			
Option A	Option B	Option C	Option D
A	B	C	D

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3.	2_10 Science 4110	Changes around us	What does 'humidity' exactly refer to?		A
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Answer Options			
Option A	Option B	Option C	Option D
The level of water vapour in the air.	The level of rainfall.	The level of pollution in the air.	The level of oxygen in the air.

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4.	2_10 Science 4112	Changes around us	Why does the moon appear in different shapes every night?		D
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Answer Options			
Option A	Option B	Option C	Option D

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		The moon's real shape changes every night.	The moon reflects a part of the light from the earth.	The earth blocks the sun's light from reaching the moon.	From the earth's position, only a part of the lit portion of the moon is seen.												
<b>S.N</b>	<b>Folder Number &amp; Question Code</b>	<b>Topic</b>	<b>Question With Answers Options</b>	<b>Image ( If Any )</b>	<b>Correct Answer ( Option - A, B, C, D )</b>												
5.	2_10 Science 4131	Changes around us	Ramesh is performing an experiment to determine the boiling point of a liquid. The boiling point will NOT change if:		C												
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6.	2_10 Science 4132	Changes around us	What would be the weather in New Delhi when the position of the earth is at R as shown in the figure?		B												

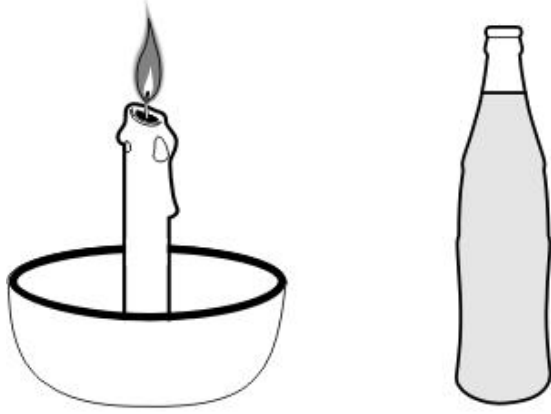
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7.	2_10 Science 4137	Changes around us	On which of the planets listed above would an iron sheet melt if it were kept on the surface?	<table border="1"> <thead> <tr> <th>Planet</th> <th>Average Surface Temperature(°C)</th> </tr> </thead> <tbody> <tr> <td>Pluto</td> <td>-223</td> </tr> <tr> <td>Uranus</td> <td>-216</td> </tr> <tr> <td>Saturn</td> <td>-176</td> </tr> <tr> <td>Venus</td> <td>459</td> </tr> </tbody> </table> <p style="text-align: center;"><b>Table 1</b></p>	Planet	Average Surface Temperature(°C)	Pluto	-223	Uranus	-216	Saturn	-176	Venus	459	D		
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8.	2_10 Science 4138	Changes around us	If oxygen and mercury were present on Uranus, what state of matter would each be in?	<table border="1"> <thead> <tr> <th>Substance</th> <th>Melting point (°C)</th> <th>Boiling Point (°C)</th> </tr> </thead> <tbody> <tr> <td>Iron</td> <td>1535</td> <td>2750</td> </tr> <tr> <td>Hydrogen</td> <td>-259</td> <td>-253</td> </tr> <tr> <td>Oxygen</td> <td>-218</td> <td>-183</td> </tr> <tr> <td>Mercury</td> <td>-39</td> <td>35</td> </tr> </tbody> </table>	Substance	Melting point (°C)	Boiling Point (°C)	Iron	1535	2750	Hydrogen	-259	-253	Oxygen	-218	-183	Mercury	-39	35	C
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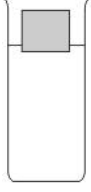
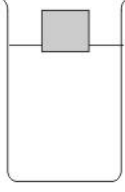
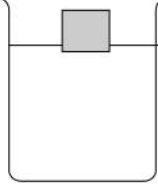
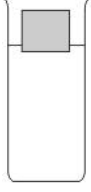
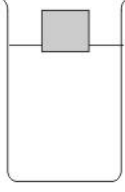
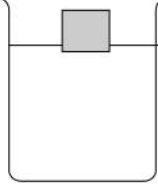
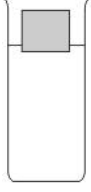
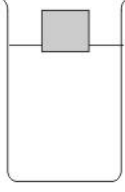
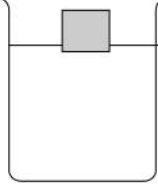
<b>Answer Options</b>			
<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
Oxygen - Solid; Mercury - Solid	Oxygen - Solid; Mercury - Liquid	Oxygen - Liquid; Mercury - Solid	Oxygen - Gas; Mercury- Liquid

<b>S.N</b>	<b>Folder Number &amp; Question Code</b>	<b>Topic</b>	<b>Question With Answers Options</b>	<b>Image ( If Any )</b>	<b>Correct Answer ( Option - A, B, C, D )</b>
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9.	1_3 Science 7295	Changes around us	Shown here is the picture of an ink filler. When this ink filler is dipped into a beaker of water and the bulb is pressed, air bubbles appear in the water. Why does this happen?		B
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		Answer Options															
		Option A	Option B	Option C	Option D												
		Air in the atmosphere forms the bubbles.	The air in the ink filler is released to form bubbles.	The liquid rushes into the filler forming bubbles.	The air in the water forms bubbles.												
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image ( If Any )	Correct Answer ( Option - A, B, C, D )												
10.	1_3 Science 7299	Changes around us	Kiran's mother placed a candle in a bowl as shown and lit it. A little while later, Kiran opened a bottle of Pepsi and poured it quickly into the bowl. What will happen?		B												
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11.	1_3 Science 7301	Changes around us	A piece of brown cork was cut into small pieces. Which of these will change as a result?		A
		<b>Answer Options</b>			
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
		its size	its colour	the nature of its atom	its density
<b>S.N</b>	<b>Folder Number &amp; Question Code</b>	<b>Topic</b>	<b>Question With Answers Options</b>	<b>Image ( If Any )</b>	<b>Correct Answer ( Option - A, B, C, D )</b>
12.	1_3 Science 7306	Changes around us	John's bedroom windows shake when crackers are burst near his house. Which of these scientific facts explains why this happens?		A
		<b>Answer Options</b>			
		<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
		Sound waves transmit energy.	Heat waves transmit energy.	Light waves transmit energy.	Radio waves transmit energy.
<b>S.N</b>	<b>Folder Number &amp; Question Code</b>	<b>Topic</b>	<b>Question With Answers Options</b>	<b>Image ( If Any )</b>	<b>Correct Answer ( Option - A, B, C, D )</b>
	1_3	Changes	Three beakers of different sizes are		A

13.	Science 7317	around us	filled with water to the same height. The temperature of water is the same in all the beakers. If a cube of ice is added to each of the four beakers, which one will have the lowest temperature after the ice melts?														
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4" data-bbox="450 376 2045 421">Answer Options</th> </tr> <tr> <th data-bbox="450 421 824 466">Option A</th> <th data-bbox="824 421 1160 466">Option B</th> <th data-bbox="1160 421 1579 466">Option C</th> <th data-bbox="1579 421 2045 466">Option D</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 466 824 692">  <p data-bbox="499 671 533 692"><b>A.</b></p> </td> <td data-bbox="824 466 1160 692">  <p data-bbox="891 671 925 692"><b>B.</b></p> </td> <td data-bbox="1160 466 1579 692">  <p data-bbox="1249 671 1283 692"><b>C.</b></p> </td> <td data-bbox="1579 466 2045 692"> <p data-bbox="1592 491 1738 592">All will be at the same temperature</p> <p data-bbox="1653 644 1686 665"><b>D.</b></p> </td> </tr> </tbody> </table>						Answer Options				Option A	Option B	Option C	Option D	 <p data-bbox="499 671 533 692"><b>A.</b></p>	 <p data-bbox="891 671 925 692"><b>B.</b></p>	 <p data-bbox="1249 671 1283 692"><b>C.</b></p>	<p data-bbox="1592 491 1738 592">All will be at the same temperature</p> <p data-bbox="1653 644 1686 665"><b>D.</b></p>
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14.	1_3 Science 6617	Changes around us	Manish and Revati are making lemon juice for themselves. Manish wants cold juice, so he adds sugar to “cold water”. Revati adds the same amount of sugar, but the water is at “room temperature”. In which case will the sugar dissolve faster and why?		A												



<b>Answer Options</b>			
<b>Option A</b>	<b>Option B</b>	<b>Option C</b>	<b>Option D</b>
Revati's, because as the temperature of water increases, sugar dissolves faster.	Manish's, because as the temperature of water decreases, sugar dissolves faster	In both cases the time to dissolve will be the same - the temperature of water makes no difference to this.	It depends on the exact temperature of the water in the two glasses.

<b>S.N</b>	<b>Folder Number &amp; Question Code</b>	<b>Topic</b>	<b>Question With Answers Options</b>	<b>Image ( If Any )</b>	<b>Correct Answer ( Option - A, B, C, D )</b>												
15.	1_3 Science 6631	Changes around us	Sprinkling a little salt on ice helps to melt the ice. Shakun has three glasses of water with him. Glasses A and C have pure water and Glass B has salt water. He puts glasses A and B into the freezer and leaves C outside. Which of these will take the least time to freeze?		A												
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