

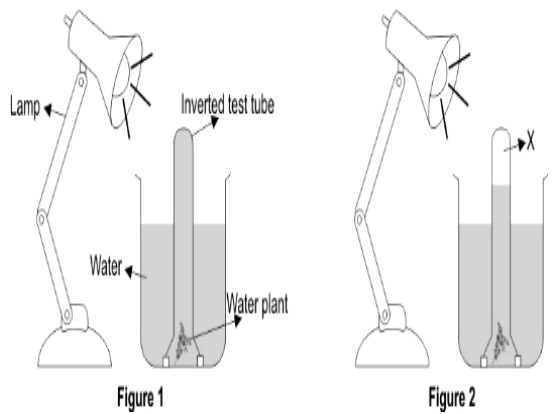
SET 12-CLASS VIII-SCIENCE

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)												
1.	4_23 Science 9109	Chapter 8 Cell – Structure and Functions	A patient with cancer of the food pipe, cannot eat and swallow. So to feed him, a tube is inserted directly into his stomach. Properly mashed food is now given to the patient directly through the pipe. Now that the food is going directly to the stomach instead of through the food pipe, which of these is likely to happen?		D												
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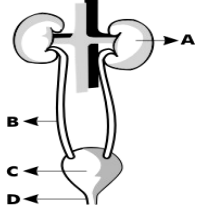
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2.	3_16 Science 2491	Chapter 8 Cell – Structure and Functions	The blood glucose level found in urine samples of 4 patients P, Q, R and X at periodic intervals after consumption of a glass of orange juice are shown in the graph below. (mg/dl - milligrams per decilitre) What is the patient X likely to be suffering from?	<p>The graph plots Blood Glucose (mg/dl) on the y-axis (0 to 300) against Time (min) on the x-axis (0 to 300). All patients start at approximately 100 mg/dl. At 30 minutes, all show a slight rise. At 60 minutes, patient X rises to ~250 mg/dl, while P, Q, and R rise to ~150 mg/dl. At 150 minutes, patient X is at ~290 mg/dl, while P, Q, and R are around 130 mg/dl. By 300 minutes, patient X remains high at ~280 mg/dl, while the others have returned to near 100 mg/dl.</p>	A												
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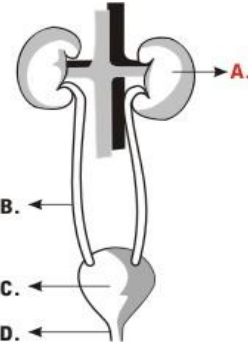
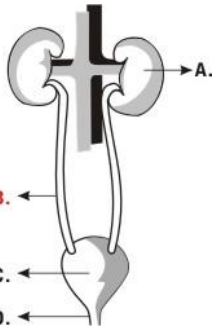
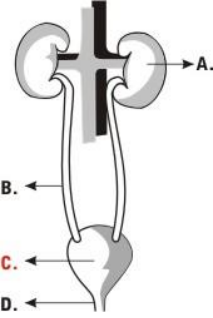
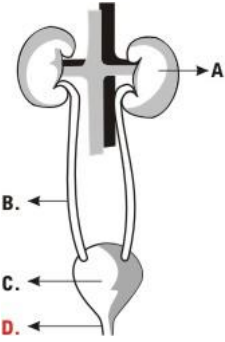
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3.	4_23 Science 9094	Chapter 8 Cell – Structure and Functions	A student is measuring the amount of oxygen produced from photosynthesis in a water plant, and hypothesizes that it is different for different colours of light. If her hypothesis is correct, which of these will VARY for different colours of light, assuming the starting setup for different colours is identical [figure 1]?	 <p style="text-align: center;">Figure 1 Figure 2</p>	A
Answer Options					
Option A		Option B		Option C	
the volume of the displaced water (X)		the total volume of the water		the temperature of the water	
Option D					
the visible growth of the plant					
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)
4.	3_15 Science 3598	Chapter 8 Cell – Structure and Functions	The percentage of which component INCREASES the most between inhaling and exhaling?		C
Answer Options					
Option A		Option B		Option C	
Option D					

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		Nitrogen	Oxygen	Carbon Dioxide	Dust particles	
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)	
5.	3_16 Science 2465	Chapter 8 Cell – Structure and Functions	In the diagram shown below of the human urinary system, the function of separating urea from blood to form urine is carried out by the organ marked:		A	
Answer Options						
		Option A	Option B	Option C	Option D	
		A	B	C	D	
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)	
6.	4_25 Science 11932	Chapter 8 Cell – Structure and Functions	In the diagram shown below, of the human urinary system, the function of separating urea from blood to form urine is carried out by the organ marked:		A	

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		Option A	Option B	Option C	Option D
					
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7.	<p>2_9 Science 6127</p>	<p>Chapter 8 Cell – Structure and Functions</p>	<p>Read the information and flowchart about blood groups and answers the question: Human blood is classified into different types. The main groups are A, B, AB and O. Every blood group is also classified by a rhesus factor which is positive or negative. Thus the blood groups are A+, A-, B+, B-, AB+, AB-, O+ and O-. Blood grouping is important because when our bodies are exposed to something foreign, like a blood transfusion, our immune system kicks in to protect us. One weapon the body uses for this is the production of antibodies, protein molecules released by plasma cells that bind to a specific antigen. The antibodies combine with the antigens on the surface of the invading cells and try to destroy the cells. A patient's blood group is hence cross-matched with the donor's blood group when giving blood transfusions, to prevent this kind of reaction,</p>	<pre> graph TD Start([Obtain blood sample]) --> Step1[Divide into 3 parts] Step1 --> Step2[Sample 1: Mix with ANTI-A SERUM Sample 2: Mix with ANTI-B SERUM Sample 3: Mix with ANTI-Rh SERUM] Step2 --> D1{Did Sample 1 clot?} D1 -- Yes --> D2{Did Sample 2 clot?} D1 -- No --> D3{Did Sample 2 clot?} D2 -- Yes --> AB[AB] D2 -- No --> A[A] D3 -- Yes --> B[B] D3 -- No --> O[O] D1 --> D4{Did Sample 3 clot?} D4 -- Yes --> RhPos[Rh+ve] D4 -- No --> RhNeg[Rh-ve] </pre>
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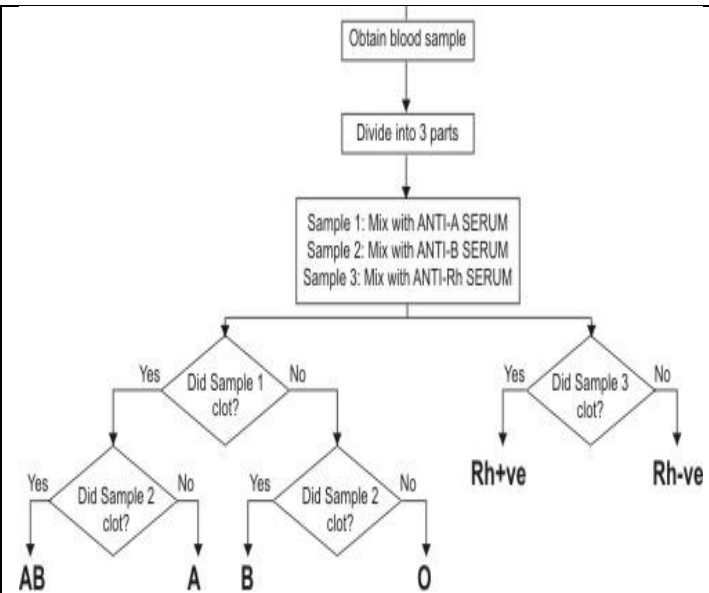
			<p>which can range from mild to very serious. This flowchart describes the process of identifying the different blood types: When Sheila's blood was tested, none of the three samples clotted. What is her blood group?</p>		C												
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8.	2_9 Science 6128	Chapter 8 Cell – Structure and Functions	<p>Read the information and flowchart about blood groups and answers the question: Human blood is classified into different types. The main groups are A, B, AB and O. Every blood group is also classified by a rhesus factor which is positive or negative. Thus the blood groups are</p>														

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[383_43_q.jpg]

What are antibodies?

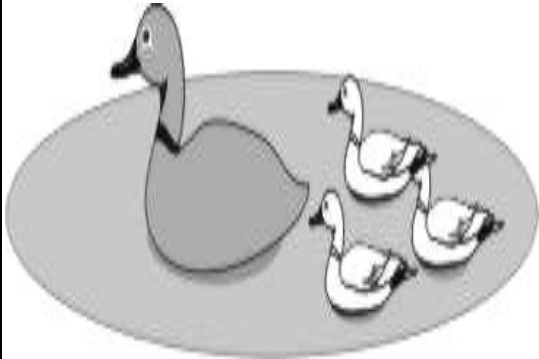


B

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		Answer Options			
		Option A	Option B	Option C	Option D
		Germes that damage our bodies	Molecules that help destroy foreign cells	Cells that are used in blood transfusion	Agents used in cross-matching of blood
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)
9.	3_15 Science 3601	Chapter 9 Reproduction in animals	Study the diagram given here. In it, P could represent the mosquito, as it has 4 stages in its life cycle, it spreads diseases and it has wings. Which animals could letters Q, R and S represent?		C
		Answer Options			
		Option A	Option B	Option C	Option D
		Q-Moth, R-Cockroach, S-Frog	Q-Frog, R-Firefly, S-Grasshopper	Q-Moth, R-Firefly, S-Cockroach	Q-Grasshopper, R-Sparrow, S-Housefly

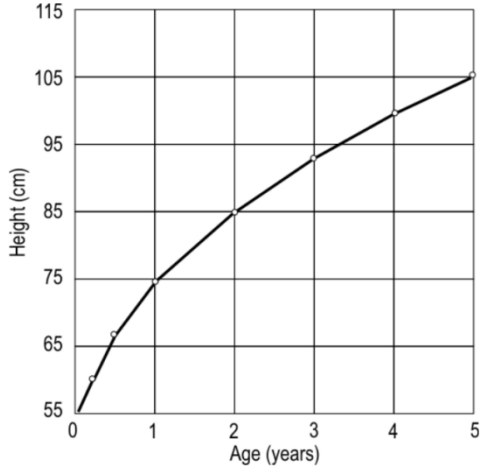
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10.	4_24 Science 10326	Chapter 9 Reproduction in animals	Mickey was observing the behaviour of ducklings. He saw that they followed their mother after hatching. He took a few ducklings as soon as they hatched and kept them in a separate pool, which had a fake duck. He found that the ducklings followed the fake duck. On the basis of this experiment, Mickey suggested the following explanations. Which of them could be true?		B												
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11.	<p style="text-align: center;">4_24 Science 10333</p>	<p>Chapter 9 Reproduction in animals</p>	<p>Jean-Baptiste Lamarck, a French natural historian, proposed a theory which said that if an organism acquires a character, it is passed on to its future generations. For example, Irfan's parents are thin and so will be Irfan. But if Irfan suddenly starts eating more and puts on weight, according to Lamarck's theory, he will pass on this character to his children and so they will also be fat. A German biologist, August Weismann, did an experiment in which he cut off the tails of mice in 19 successive generations; yet each new generation was born with a tail, which could grow to its full length.</p> <p>What can be concluded on the basis of these experiments?</p>		<p style="text-align: center;">A</p>

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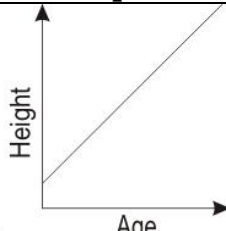
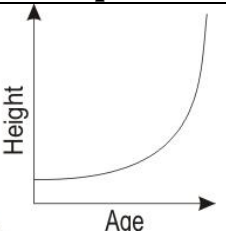
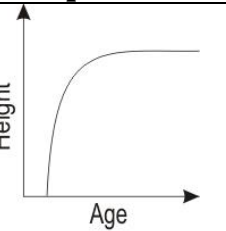
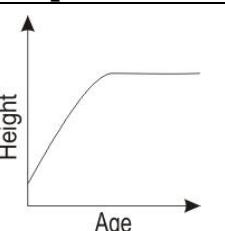
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12.	1_3 Science 6671	<p>Chapter 10 REACHING THE AGE OF ADOLESCENCE</p>	<p>Sanjay's mother noted his height regularly from the time he was very small. This graph shows his height at different ages. Study it and answer question. This graph gives the height of Sanjay from which to which age?</p>	 <table border="1" style="margin-top: 10px; width: 100%; border-collapse: collapse;"> <caption>Data points from the height graph</caption> <thead> <tr> <th>Age (years)</th> <th>Height (cm)</th> </tr> </thead> <tbody> <tr><td>0</td><td>55</td></tr> <tr><td>1</td><td>75</td></tr> <tr><td>2</td><td>85</td></tr> <tr><td>3</td><td>95</td></tr> <tr><td>4</td><td>105</td></tr> <tr><td>5</td><td>115</td></tr> </tbody> </table>	Age (years)	Height (cm)	0	55	1	75	2	85	3	95	4	105	5	115	A
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13.	1_3 Science 6672	Chapter 10 REACHING THE AGE OF ADOLESCENCE	<p>Sanjay's mother noted his height regularly from the time he was very small. This graph shows his height at different ages. Study it and answer question.</p> <p>In which year shown in the graph did Sanjay's height increase the most?</p>		A												
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	3_15 Science	Chapter 10 REACHING	Sunder and Shyam went to play outside in the hot sun		C

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14.	3612	THE AGE OF ADOLESCENCE	during their summer holidays. After playing for a few hours, Shyam felt thirsty and extremely dizzy. What should he take to get okay?		
Answer Options					
		Option A	Option B	Option C	Option D
		A cup of chocolate ice-cream with nuts	A glass of water with glucose	A glass of water with sugar and salt	A glass of hot milk with sugar
S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)
15.	3_15 Science 3621	Chapter 10 REACHING THE AGE OF ADOLESCENCE	If a graph is plotted to show how the height of a normal human being changes with age, it is likely to look like:		D
Answer Options					
		Option A	Option B	Option C	Option D
					

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