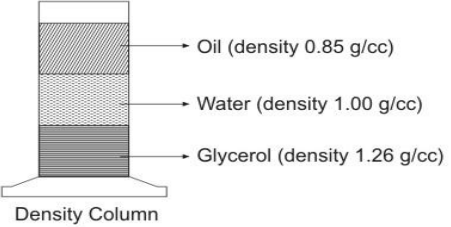
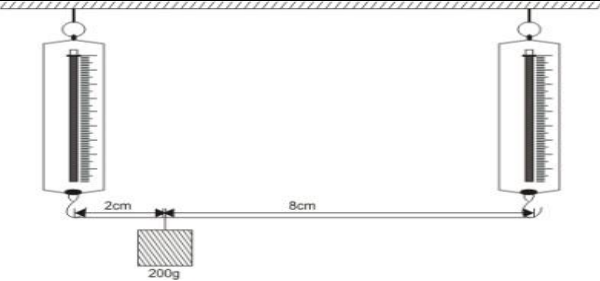


Topic- Physical and Chemical Changes (Chapter -6)

S.N	Folder Number & Question Code	Topic	Question With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)										
1.	3_15 Science 3574	Physical and Chemical Changes	Using the density column and the data table, predict which of these will FLOAT on the oil?	<table border="1"> <thead> <tr> <th>Liquid</th> <th>Density (g/cc)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>1.05</td> </tr> <tr> <td>B</td> <td>0.78</td> </tr> <tr> <td>C</td> <td>0.92</td> </tr> <tr> <td>D</td> <td>1.17</td> </tr> </tbody> </table> 	Liquid	Density (g/cc)	A	1.05	B	0.78	C	0.92	D	1.17	B
Liquid	Density (g/cc)														
A	1.05														
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C	0.92														
D	1.17														
Answer Options															
Option A		Option B		Option C		Option D									
Sample A		Sample B		Sample C		Sample D									

2.	3_15 Science 3575	Physical and Chemical Changes	Two identical spring scales are arranged as shown. If a weight is suspended as shown in the figure what will happen?		A		
Answer Options							
Option A		Option B		Option C		Option D	
Spring on the left will stretch more.		Spring on the right will stretch more.		Both springs will stretch the same distance.		One cannot tell which spring will stretch more.	
3.	3_15 Science 3542	Physical and Chemical Changes	Which of the following is NOT a cyclic change?				A
Answer Options							
Option A		Option B		Option C		Option D	
formation of a rainbow		ocean tides		the phases of the moon		the seasons of the year	

4	3_15 Science 3549	Physical and Chemical Changes	Which of the following is a chemical change?					C	
			Answer Options						
			Option A	Option B	Option C	Option D			
			Grinding of rice	Breaking of a window pane	A bud changing into a flower	Powdering of sugar crystals			
5.	3_15 Science 3555	Physical and Chemical Changes	Distilled water is called pure because_____.					B	
			Answer Options						
			Option A	Option B	Option C	Option D			
			it contains dissolved salts	it boils at exactly 100degree C and freezes at exactly 0degreeC	it contains dissolved oxygen	it can be produced only in a laboratory			

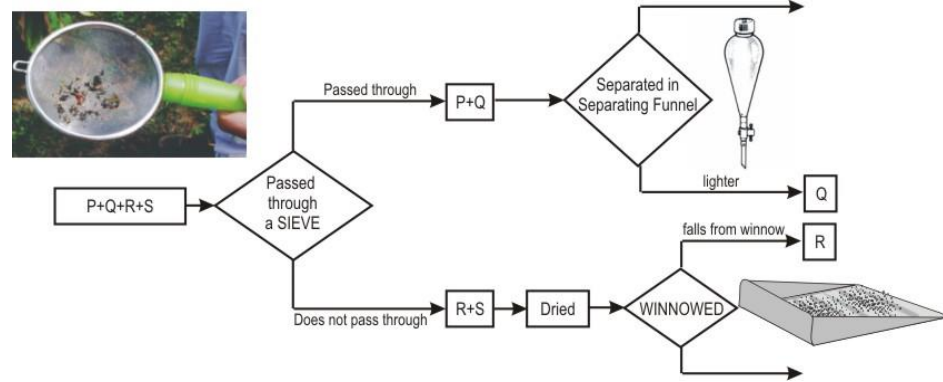
6.

3_17
Science

1525

**Physical and
Chemical
Changes**

The flow chart gives the method of separation of four substances P, Q, R and S of which one is water. What are P, Q, R and S?

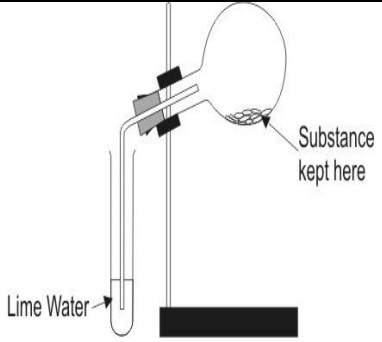



	P	Q	R	S
A.	Water	Tea leaves	Wood shavings	Ink
B.	Sand	Sugar	Water	Milk
C.	Water	Cooking oil	Wheat husk	Wheat grains
D.	Water	Instant coffee powder	Dry leaves	Detergent powder

C

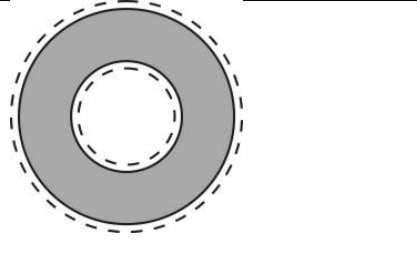
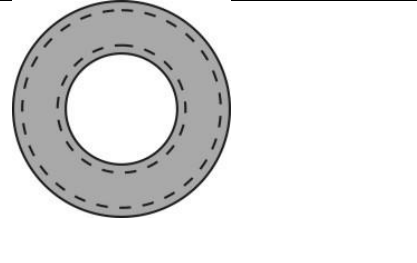
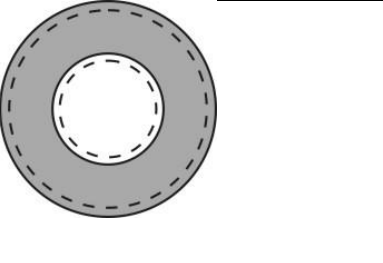
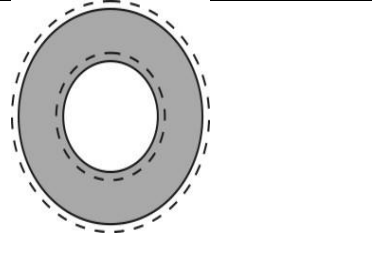
Answer Options

Option A	Option B	Option C	Option D
A	B	C	D

7.	3_16 Science 2444	Physical and Chemical Changes	In the arrangement shown, which of the following materials will make lime water turn milky when kept for a few days?		A				
						Answer Options			
						Option A	Option B	Option C	Option D
						Damp boiled rice	Dry wood pieces	Roasted peanuts	Charcoal

8.	4_24 Science 10266	Physical and Chemical Change	In the figure below, P, Q and R represent three different physical states of a substance. A direct change from the state represented by R to that represented by P would be _____.		D				
						Answer Options			
						Option A	Option B	Option C	Option D
						evaporation	condensation	melting	sublimation

9.	4_24 Science 10279	Physical and Chemical Change	Which of the following can be classified as a chemical change?		A	
		Answer Options				
		Option A	Option B	Option C	Option D	
		lighting of a matchstick	melting of ice	condensation of water	separation of salt from water	
10.	4_25 Science 11978	Physical and Chemical Changes	Students in a laboratory are told not to taste any chemicals (even common salt) in the laboratory. What is the MAIN reason?		B	
		Answer Options				
		Option A	Option B	Option C	Option D	
		The chemicals bought for the laboratory are not pure.	Chemicals may have got mixed or wrongly labelled.	Chemicals are very expensive and should not be wasted.	The chemicals may get spoilt if they are touched.	
11.	4_25 Science 11885	Physical and Chemical Changes	Which of these is a chemical change?		C	
		Answer Options				
		Option A	Option B	Option C	Option D	
		mixing sand in water	magnetizing a piece of iron	a copper container getting tarnished	evaporation of water	

12.	3_15 Science 3570	Physical and Chemical Changes	The data suggests that	<p>The period of development in the mother's womb before birth is called the gestation period. Study the gestation periods and life spans of some animals and answer the question</p> <table border="1" data-bbox="1332 223 1803 462"> <thead> <tr> <th>Animal</th> <th>Gestation Period</th> <th>Life Span</th> </tr> </thead> <tbody> <tr> <td>Man</td> <td>270 days</td> <td>80 - 100 years</td> </tr> <tr> <td>Bear</td> <td>230 days</td> <td>15 - 30 years</td> </tr> <tr> <td>Horse</td> <td>336 days</td> <td>25 - 30 years</td> </tr> <tr> <td>Dog</td> <td>63 days</td> <td>16 - 18 years</td> </tr> <tr> <td>Cat</td> <td>60 days</td> <td>10 - 15 years</td> </tr> <tr> <td>Elephant</td> <td>624 days</td> <td>70 - 90 years</td> </tr> <tr> <td>Mouse</td> <td>20 days</td> <td>2 - 3 years</td> </tr> <tr> <td>Lion</td> <td>108 days</td> <td>20 - 25 years</td> </tr> </tbody> </table>	Animal	Gestation Period	Life Span	Man	270 days	80 - 100 years	Bear	230 days	15 - 30 years	Horse	336 days	25 - 30 years	Dog	63 days	16 - 18 years	Cat	60 days	10 - 15 years	Elephant	624 days	70 - 90 years	Mouse	20 days	2 - 3 years	Lion	108 days	20 - 25 years	A
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there is no relation whatsoever between gestation period and life span.		the longer the gestation period, the shorter the life span with some exceptions.		the longer the gestation period, the longer the life span with some exceptions.	animals with the shortest and longest gestation periods have longer life spans.																											
13.	1_3 SCIENCE 7332	PHYSICAL & CHEMICAL CHANGES	A metallic circular disc having a hole as shown, is heated. What would it look like when it expands after heating (shown by the dotted lines)?	No Image	D																											
Answer Options																																
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14.

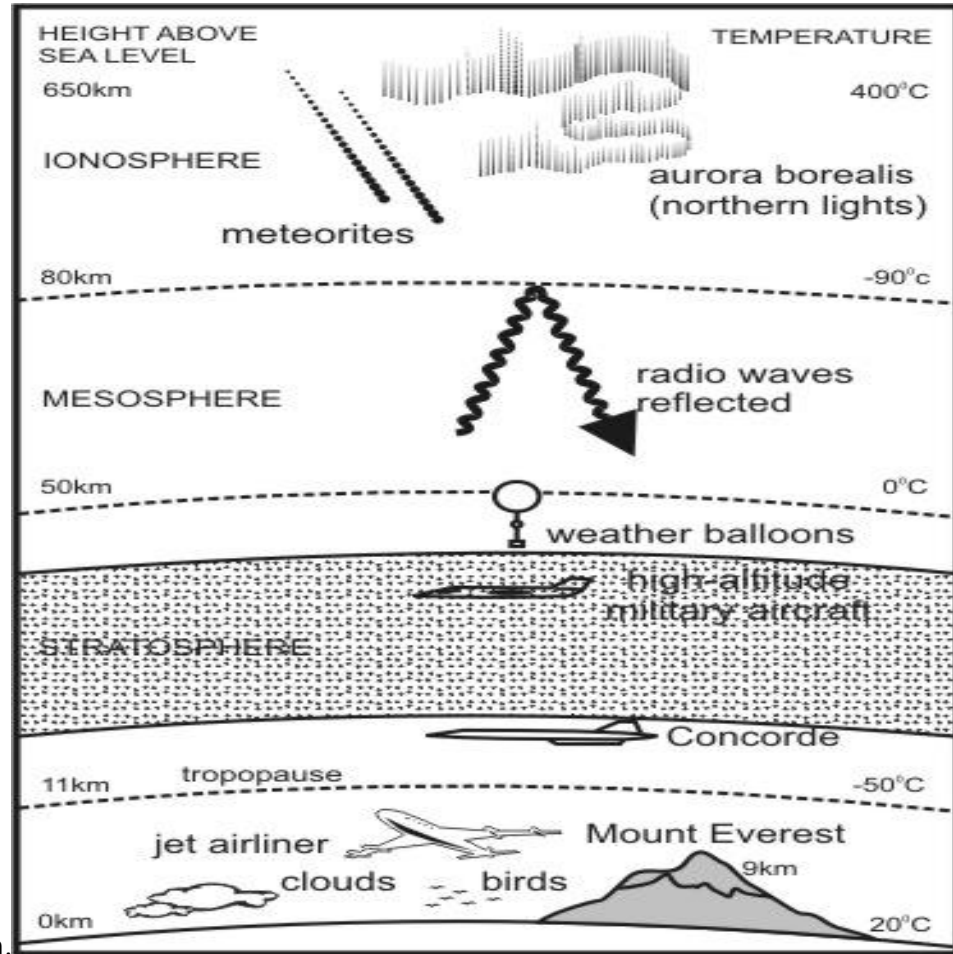
3_16
Science
2436

Physical and
Chemical
changes

In which part of the
atmosphere is the
ozone layer?

The earth's atmosphere is divided into different layers - the stratosphere, mesosphere and ionosphere as shown here. Study the figure and answer the

B



question.

Answer Options

Option A	Option B	Option C	Option D
below the stratosphere	in the stratosphere	in the mesosphere	in the ionosphere

15.	3_15 Science 3571	Physical and Chemical Changes	Among the animals in the table, which have gestation periods more than 6 months?	<p>The period of development in the mother's womb before birth is called the gestation period. Study the gestation periods and life spans of some animals and answer the question</p> <table border="1" data-bbox="1357 288 1991 520"> <thead> <tr> <th>Animal</th> <th>Gestation Period</th> <th>Life Span</th> </tr> </thead> <tbody> <tr> <td>Man</td> <td>270 days</td> <td>80 - 100 years</td> </tr> <tr> <td>Bear</td> <td>230 days</td> <td>15 - 30 years</td> </tr> <tr> <td>Horse</td> <td>336 days</td> <td>25 - 30 years</td> </tr> <tr> <td>Dog</td> <td>63 days</td> <td>16 - 18 years</td> </tr> <tr> <td>Cat</td> <td>60 days</td> <td>10 - 15 years</td> </tr> <tr> <td>Elephant</td> <td>624 days</td> <td>70 - 90 years</td> </tr> <tr> <td>Mouse</td> <td>20 days</td> <td>2 - 3 years</td> </tr> <tr> <td>Lion</td> <td>108 days</td> <td>20 - 25 years</td> </tr> </tbody> </table>	Animal	Gestation Period	Life Span	Man	270 days	80 - 100 years	Bear	230 days	15 - 30 years	Horse	336 days	25 - 30 years	Dog	63 days	16 - 18 years	Cat	60 days	10 - 15 years	Elephant	624 days	70 - 90 years	Mouse	20 days	2 - 3 years	Lion	108 days	20 - 25 years	C
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Only elephants		Only horses and elephants		Only horses, elephants, men and bears	Only horses, elephants, men, lions and bears																											