


TOPIC- WEATHER , CLIMATE AND ADAPTATIONS OF ANIMALS TO CLIMATE ( CHAPTER NO. -7 )

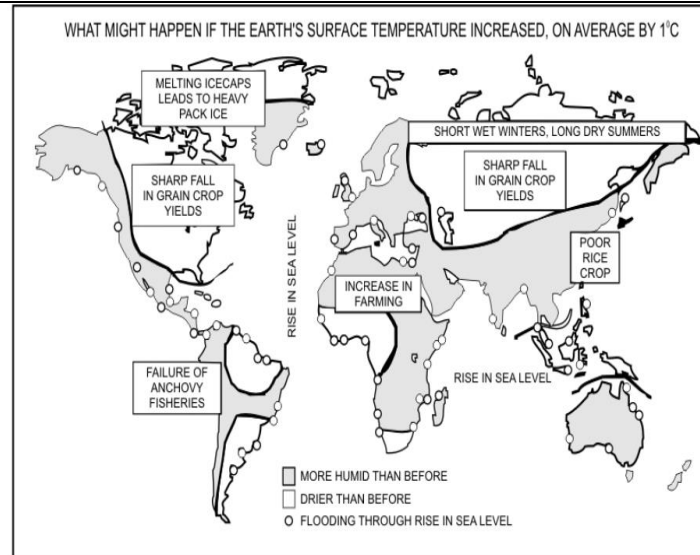
S.N	Folder Number & Question Code	Topic	Question With Answer Options	Image	Correct Answer (Option-A,B,C,D)
1.	1_3 Science 7347	Weather, Climate and Adaptations of Animals to Climate	Here is the picture of an animal called a Giant Mammoth which is now <u>not found anymore</u> . Replace the underlined words by the correct scientific term.		<b>B</b>
Answer Options					
<b>Option A</b>		<b>Option B</b>		<b>Option C</b>	
History		Extinct		Herbivore	
				Archaeology	

2.	1_3 Science 7361	Weather , Climate and Adaptations of Animals to Climate	How are warm-blooded animals different from cold-blooded ones?		<b>C</b>	
		Answer Options				
		Option A	Option B	Option C		Option D
		They are aggressive in nature.	They are found only in warm climates.	Their internal body temperature is always the same.		Their internal body temperature is always high.
3.	1_3 Science 6658	Weather, Climate and Adaptations of Animals to Climate	The blood temperature of warm-blooded animals -		<b>C</b>	
		Answer Options				
		Option A	Option B	Option C		Option D
		Is more than the blood temperature of cold-blooded animals.	Increases in summer and decreases in winter.	Remains the same throughout the year.		Decreases in summer and increases in winter.

4. 2\_9  
Science  
6065

Weather,  
Climate and  
Adaptations of  
Animals to  
Climate

The question is based  
on this passage  
about our  
environment.  
  
The environmental  
effects shown on the  
map could occur if :



B

The GREENHOUSE EFFECT raises the temperature of the planet. The actual rise is not very much, but the earth's ecosystem is very fragile and small changes can have large effects (map). The Inter-governmental panel on climate has predicted that the world's average temperature will rise by one degree by the year 2025. This could lead to sharp fall in the world's food production, leading to much higher food prices and even less food for the poorest in the world. However it would also mean that some countries which are further north would be able to grow crops they had never been able to before, although there is less land as you move northwards.

Ac  
Go

### Answer Options

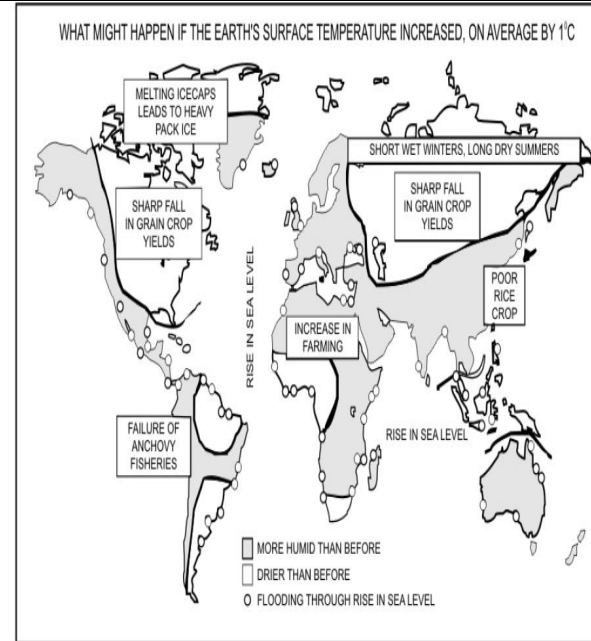
Option A	Option B	Option C	Option D
There are heavy rains all over the world.	The earth becomes warmer.	The earth becomes cooler.	The earth's population increases very rapidly.

5. 2\_9  
Science  
6066

Weather, Climate and Adaptations of Animals to Climate

The question is based on this passage about our environment.

According to the map shown which of these changes is likely in all coastal areas?



The GREENHOUSE EFFECT raises the temperature of the planet. The actual rise is not very much, but the earth's ecosystem is very fragile and small changes can have large effects (map). The Inter-governmental panel on climate has predicted that the world's average temperature will rise by one degree by the year 2025. This could lead to sharp fall in the world's food production, leading to much higher food prices and even less food for the poorest in the world. However it would also mean that some countries which are further north would be able to grow crops they had never been able to before, although there is less land as you move northwards.

A

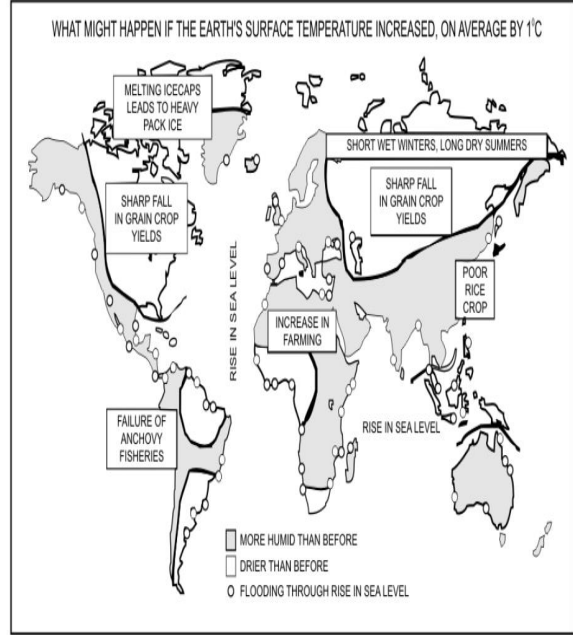
Answer Options

Option A	Option B	Option C	Option D
Submergence of land	Increase in farming	Heavy rainfall	Fall in sea level

6. 2\_9  
Science  
6067

Weather, Climate  
and Adaptations of  
Animals to Climate

The question is based on this  
passage about our environment.  
  
According to the passage and map,  
by 2025, the weather in India is  
likely to become :

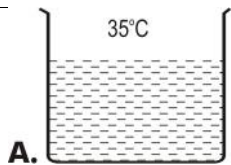
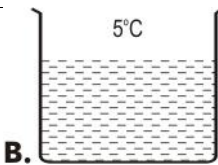
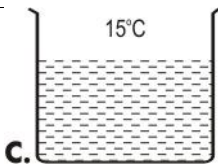
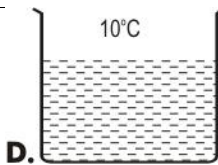


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B

Answer Options

Option A	Option B	Option C	Option D
Colder	More humid	More uniform	More predictable

7.	2_10 Science 4141	Weather, Climate and Adaptations of Animals to Climate	In which region would you be if there was darkness for 24 hours of the day in June?		<b>B</b>		
Answer Options							
Option A		Option B		Option C		Option D	
Near the equator		Near the South pole		Near the tropic of Capricorn		Near the North pole	
8.	2_10 Science 4162	Weather, Climate and Adaptations of Animals to Climate	In which of these open buckets containing water would mosquitoes breed fastest?		<b>A</b>		
Answer Options							
<p data-bbox="421 751 551 778">Option A</p>  <p data-bbox="421 948 461 975"><b>A.</b></p>		<p data-bbox="824 751 954 778">Option B</p>  <p data-bbox="824 948 864 975"><b>B.</b></p>		<p data-bbox="1225 751 1355 778">Option C</p>  <p data-bbox="1225 948 1265 975"><b>C.</b></p>		<p data-bbox="1644 751 1774 778">Option D</p>  <p data-bbox="1644 948 1684 975"><b>D.</b></p>	

9.	2_10 Science 4182	Weather, Climate and Adaptations of Animals to Climate	Study this table showing how much animals sleep and answer the question.  The animal whose sleep requirement matches that of the adult (not elderly) human being most closely is the:	How much do Animals Sleep?			<b>B</b>
				Species	Average Total Sleep Time (% of 24 hrs)	Average Total Sleep Time (Hours/day)	
				Brown Bat	82.9%	19.9 hr	
				Answer Options			
				Option A	Option B	Option C	Option D
				Chimpanzee	Pig	Goat	Squirrel
10.	2_9 Science 6071	Weather, Climate and Adaptations of Animals to Climate	The earth rotates from WEST to EAST. If it rotated in the opposite direction, that is, from EAST to WEST, which of these changes would result?				<b>A</b>
				Answer Options			
				Option A	Option B	Option C	Option D
				The sun would rise in the West and set in the East.	Days would be longer and nights shorter everywhere.	The order of the seasons would be reversed.	There would be no change of any type at all.

11.	2_10 Science 4183	Weather, Climate and Adaptations of Animals to Climate	Study this table showing how much animals sleep and answer the question.  According to the table above, the amount of sleep needed by human beings:	How much do Animals Sleep?			C
				Species	Average Total Sleep Time (% of 24 hrs)	Average Total Sleep Time (Hours/day)	
				Brown Bat	82.9%	19.9 hr	
				Python	75%	18 hr	
				Human (infant)	66.7%	16 hr	
				Squirrel	62%	14.9 hr	
				Lion	56.3%	13.5 hr	
				Rat	52.4%	12.6 hr	
				Dog	44.3%	10.6 hr	
				Chimpanzee	40.4%	9.7 hr	
				Human (adult)	33.3%	8 hr	
				Pig	32.6%	7.8 hr	
				Human (elderly)	22.9%	5.5 hr	
				Goat	22.1%	5.3 hr	
				Cow	16.4%	3.9 hr	
Elephant	16.4%	3.9 hr					
Horse	12.0%	2.9 hr					
Giraffe	7.9%	1.9 hr					
<b>Answer Options</b>							
Option A		Option B		Option C		Option D	
remains the same with age.		increases from birth, but reduces after adulthood.		reduces from birth till old age.		decreases from birth, but increases after adulthood.	



12.	2_10 Science 4184	Weather, Climate and Adaptations of Animals to Climate	<p>Study this table showing how much animals sleep and answer the question.</p> <p>The pattern that emerges between the SIZE of an animal and the amount of sleep it needs is:</p>	<table border="1"> <thead> <tr> <th colspan="3">How much do Animals Sleep?</th> </tr> <tr> <th>Species</th> <th>Average Total Sleep Time (% of 24 hrs)</th> <th>Average Total Sleep Time (Hours/day)</th> </tr> </thead> <tbody> <tr><td>Brown Bat</td><td>82.9%</td><td>19.9 hr</td></tr> <tr><td>Python</td><td>75%</td><td>18 hr</td></tr> <tr><td>Human (infant)</td><td>66.7%</td><td>16 hr</td></tr> <tr><td>Squirrel</td><td>62%</td><td>14.9 hr</td></tr> <tr><td>Lion</td><td>56.3%</td><td>13.5 hr</td></tr> <tr><td>Rat</td><td>52.4%</td><td>12.6 hr</td></tr> <tr><td>Dog</td><td>44.3%</td><td>10.6 hr</td></tr> <tr><td>Chimpanzee</td><td>40.4%</td><td>9.7 hr</td></tr> <tr><td>Human (adult)</td><td>33.3%</td><td>8 hr</td></tr> <tr><td>Pig</td><td>32.6%</td><td>7.8 hr</td></tr> <tr><td>Human (elderly)</td><td>22.9%</td><td>5.5 hr</td></tr> <tr><td>Goat</td><td>22.1%</td><td>5.3 hr</td></tr> <tr><td>Cow</td><td>16.4%</td><td>3.9 hr</td></tr> <tr><td>Elephant</td><td>16.4%</td><td>3.9 hr</td></tr> <tr><td>Horse</td><td>12.0%</td><td>2.9 hr</td></tr> <tr><td>Giraffe</td><td>7.9%</td><td>1.9 hr</td></tr> </tbody> </table>	How much do Animals Sleep?			Species	Average Total Sleep Time (% of 24 hrs)	Average Total Sleep Time (Hours/day)	Brown Bat	82.9%	19.9 hr	Python	75%	18 hr	Human (infant)	66.7%	16 hr	Squirrel	62%	14.9 hr	Lion	56.3%	13.5 hr	Rat	52.4%	12.6 hr	Dog	44.3%	10.6 hr	Chimpanzee	40.4%	9.7 hr	Human (adult)	33.3%	8 hr	Pig	32.6%	7.8 hr	Human (elderly)	22.9%	5.5 hr	Goat	22.1%	5.3 hr	Cow	16.4%	3.9 hr	Elephant	16.4%	3.9 hr	Horse	12.0%	2.9 hr	Giraffe	7.9%	1.9 hr	C
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13.	3_15 Science  3558	Weather, Climate and Adaptations of Animals to Climate	Which of these characteristics is unique of MAMMALS?			C	
		Answer Options					
		Option A	Option B	Option C	Option D		
		presence of backbones	breathing air into and out from lungs	feeding milk to their young	warm-bloodedness		
14.	3_15 Science  3559	Weather, Climate and Adaptations of Animals to Climate	Some scientists believe that global warming may cause coastal areas to get submerged. What could be the main reason why this may happen?			B	
		Answer Options					
		Option A	Option B	Option C	Option D		
		The amount of evaporation will increase causing heavy rains.	Ice in the polar regions will melt causing a rise in ocean levels.	Ocean currents will become more active and submerge coasts.	Due to increased heating, the level of the land will fall a bit.		

15.	3_17 Science  1518	Weather, Climate and Adaptations of Animals to Climate	Consider the four cells P, Q, R and S of the table shown below. Into which cell would a polar bear, found in the cold polar regions, fit?			D	
					Cold-blooded		Warm-blooded
				Hibernates due to cold	P		Q
				Does not hibernate due to cold	R		S
				(all cells may not represent possible combinations)			
<b>Answer Options</b>							
Option A		Option B		Option C		Option D	
P		Q		R		S	