

Weather, Climate and Adaptations

ORAL QUESTIONS

A. Answer these questions orally.

1. What is the amount of water vapour present in the air called?
2. What do you understand by the term 'climate'?
3. Name atleast three animals that live in a desert.
4. Name two animals living in polar regions.
5. Name two migratory birds.

PUZZLE/QUIZ

B. Find atleast eight terms related to Weather and Climate from the word maze given below.

H	A	T	E	K	A	D	M	E	T	A	M
S	U	N	N	Y	U	C	B	S	D	P	E
A	B	M	T	L	D	W	I	N	D	Y	T
B	D	D	I	F	P	E	D	D	H	S	E
C	L	O	U	D	Y	A	A	E	U	E	O
T	E	I	S	C	I	T	X	I	M	H	R
E	H	T	B	D	S	H	Y	U	I	J	O
C	L	I	M	A	T	E	O	I	D	I	L
S	A	E	G	C	E	R	I	E	I	L	O
Y	L	G	D	Y	U	L	P	K	T	H	G
G	Y	R	U	D	C	S	E	P	Y	E	Y
A	E	D	P	L	E	A	S	A	N	T	E

C. Unscramble these jumbled words to make meaningful words. Use the clues given in brackets.

1. C U A O N T

(A bird with long, large beak)

2. N P I E U N G

(This animal lives in groups, has white feathers on the belly)

3. E L I S N P E R H E

(A tail that can be used to grasp tree branches just like hands)

4. K Y M E N O

(An animal found in tropical rainforests)

5. T L A N U O N C R

(Animals that are active at night)

D. Pretend that you are a polar bear. Now answer these questions.

1. Why do you have white fur?

2. Why is your fur so thick?

3. Why are your paws wide and large having claws?

4. How can you remain under water for long?

CLASS TEST

E. MCQ–Tick (✓) the correct option.

1. Which of these is not an adaptation of elephants?

(a) Pillar-like legs to balance the body

(b) Large fan-like ears to help in regulation of body temperature

(c) Sticky pads on the tips of digits to climb on trees

(d) Tusks for digging roots of food plants

2. Camouflage enables

(a) To regulate body temperature

(b) To hold on to the branches of trees

(c) To retain body heat.

(d) The predator to locate the prey and also protects the prey from the predator

3. Which of these is the adaptation of camels?
- (a) Keen sense of smell to locate their enemy and prey
- (b) Good swimmers to avoid excessive body heat to escape
- (c) Short legs, head and wings to avoid loss of heat
- (d) Nostrils with flaps which close the nostrils during a dust storm
4. In most desert plants,
- (a) Leaves are modified into spines
- (b) Stem becomes green to carry out photosynthesis
- (c) Stem becomes fleshy
- (d) All of these
5. Which of these animals is not found in Indian Tropical Forests?
- (a) Bearded ape (b) Penguins
- (c) Lion-tailed macaque (d) Indian elephant

F. Very short answer questions.

1. Where do camels store food in the form of fat?

2. Where do camels store large quantity of water which they drink?

3. What kind of climate is found in polar region?

4. In which season do the polar animals hibernate?

5. Why do polar animals have thick fur?

6. Why do migratory birds fly so high?

7. What are animals living on trees called?

G. Short answer questions.

1. What is global warming?

2. Does weather affect our lives?

3. How do desert animals conserve water?

4. What adaptations are shown by polar animals to survive in extreme cold?

5. Why do birds living in polar regions migrate to warmer regions?

6. What is camouflage?

H. Long answer questions.

1. List few of your daily activities that are influenced by weather.

2. How are the streamlined body, webbed feet and flattened wings helpful to penguins?

3. Why do penguins have short legs, head and wings?

4. Why do penguins live in groups and remain huddled together?

5. Why do elephants have large fan-like ears?

6. What is the importance of tusks to elephants?

7. Why do elephants have pillar-like legs?

HOME ASSIGNMENT

I. Think and Answer.

Deepak went to see Bharatpur Wildlife Sanctuary with his parents. He was amazed to see Siberian cranes that had come from Siberia. He wondered how these birds find their way. Can you help him understand this?

WORKSHEET

J. Give reasons for the following.

1. Polar bears have a keen sense of smell.

2. Camels excrete concentrated urine.

4. Monkeys have a long and coiled prehensile tail.

5. The bird Toucan possesses long, large beak.
