Home Assignment – May 09, 2020
Class VI

English

Q.1 A picture says a thousand words. Carefully study the given picture and build an absorbing story around it within 150-200 words. Also add a suitable title for the same.

Q.2 You surely have read the witty and fun-filled tales of Akbar and Birbal. The intriguing and baffling challenges that Akbar bombarded on Birbal and the unique ways Birbal formulated his responses are absolutely incredible.

Imagine Akbar and Birbal arrive in present day India. Think and pen down six sets of interesting dialogues between them.

Q.3 The human race has advanced in leaps and bounds in almost all spheres of life. Although our lives have eased with several innovations yet the technologically advanced world that we live in today is quite similar to the picture shown. Compose a humorous poem of 3 stanzas expressing your thoughts on the overuse of electronic gadgets (e.g. mobile phones) and their impact on our lives.

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Class VI

हिंदी

प्रश्न 1- निम्नलिखित पद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए -

आसमान में उड़ने वाली,
चिड़िया को मत बाँधो तुम।
जल की प्यारी, नन्हीं – सी,
मछली को मत पकड़ो तुम।
शेर, बाघ और हिरण सुनहरे
पिंजरे में न जकड़ो तुम।

हम मानव तो अपने मन की
बात हमेशा करते हैं।
ये मूक पशु बोलें कैसे,
ये बेबस हो सहते हैं।

ये भी हैं ईश्वर की रचना,
स्वतंत्रता इनका भी सपना।
हम भी प्रभु की सच्ची संतान,
हर प्राणी का कर दें कल्याण |

क) मानव और पशु - पक्षी किसकी रचनाएँ हैं?

ख) जीवों को बंदी बनाना उचित क्यों नहीं कहा जाता है?

ग) हम प्रभु की सच्ची संतान कैसे कहे जा सकते हैं ?

प्रश्न 2- निम्नलिखित शब्दों में उचित स्थान पर अनुस्वार (ं) का प्रयोग कीजिए -

अदर , बद , मगल , गगा, ठडा   इदौर

सुगध , प्रबध , आनद , चचल

संयुक्त व्यंजन - दो व्यंजनों के मेल से बने व्यंजन 'संयुक्त व्यंजन' कहलाते हैं |

क्ष - क् + ष् + अ
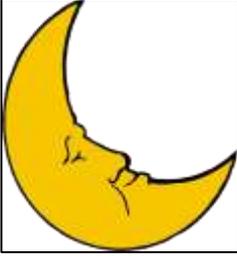
त्र - त् + र् + अ

ज्ञ - ज् + ञ् + अ

श्र - श् + र् + अ

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प्रश्न 3 - कोष्ठक में दिए गए शब्दों में से उचित शब्द के चयन द्वारा निम्नलिखित वाक्यों में रिक्त स्थानों की पूर्ति कीजिए -
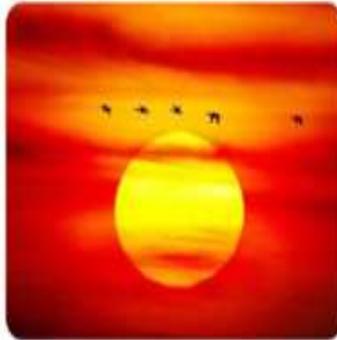
क) मेरी बहन _____ देने के लिए मुंबई गई थी। (**परीकशा/ परीक्षा**)

ख) रोहन बड़ा ही _____ है। **(ज्ञानी/ ग्यानी)**

ग) मैंने काम करने के बाद _____ किया। **(विश्राम/ विशराम)**

घ) _____ का अर्थ होता है - तीन भुजाओं से घिरी आकृति। (**त्रिभुज / तिभुज**)

प्रश्न 4 - नीचे दिए गए चित्रों को ध्यान से देखकर उनके लिए अनुनासिक युक्त हिंदी शब्द लिखिए -

_____   _____   _____   _____

सूरज देवता!
मेरा प्रणाम स्वीकार करो।

सूर्य देवता!
आपको प्रणाम!

हे दिवाकर! प्रणाम!!

हे दिनकर! प्रणाम!!
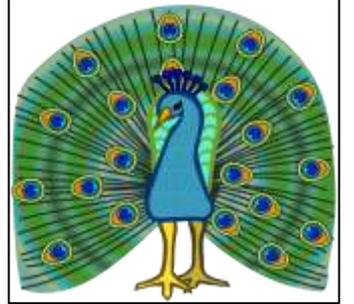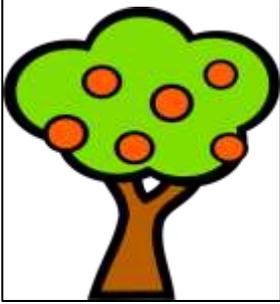
हे रवि! मेरा प्रणाम स्वीकार करें।

आपने देखा–

सूरज, सूर्य, दिनकर, दिवाकर, रवि–सब एक ही अर्थ को प्रकट करते हैं। ये पर्यायवाची कहलाते हैं।

प्रश्न 5- नीचे दिए गए चित्रों को देखकर उनके लिए दो - दो पर्यायवाची शब्द लिखिए-

प्रश्न6 - दिए गए विषय पर संकेत बिंदुओं को आधार बनाकर 60 से 80 शब्दों में अनुच्छेद लिखिए -
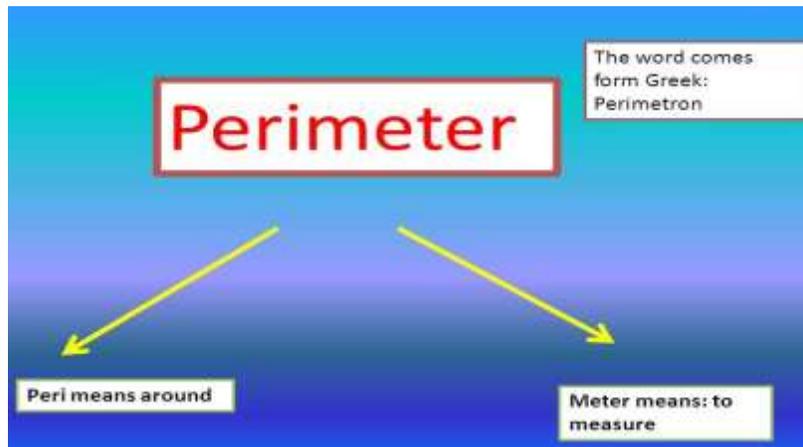
विषय - 'आपका पसंदीदा खेल'

संकेत बिंदु -

- जीवन में खेलों का महत्त्व
- आपके पसंदीदा खेल की जानकारी
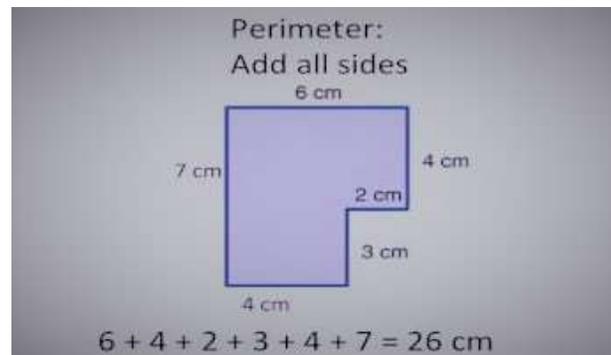- आपको ये खेल पसंद आने का कारण
- इस खेल को खेलने के बाद आपमें आया परिवर्तन

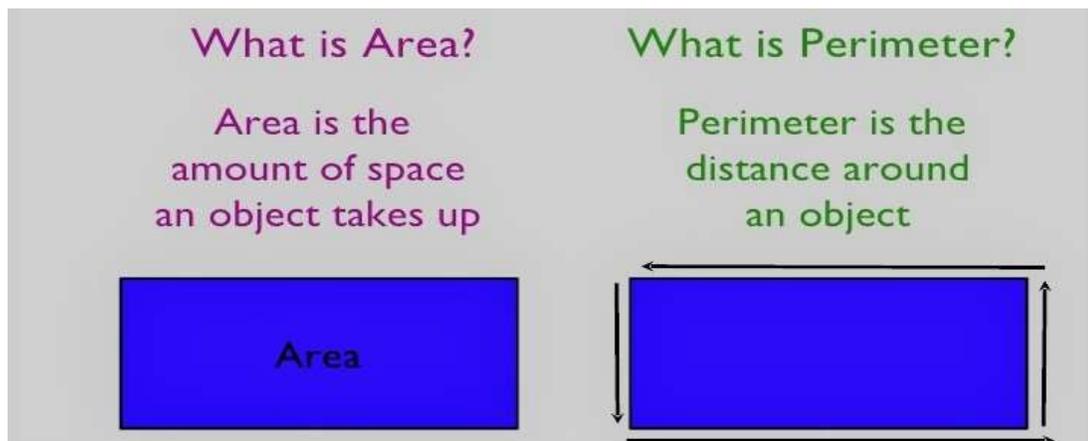Home Assignment – May 09, 2020
Class VI

Mathematics

TOPIC : AREA AND PERIMETER

Example: Find the perimeter of the following figure :
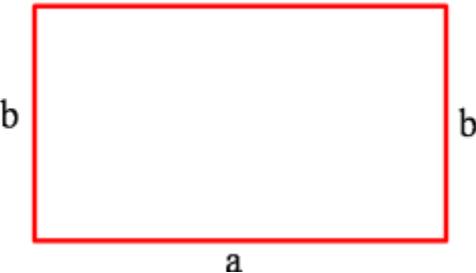

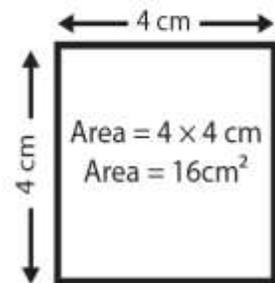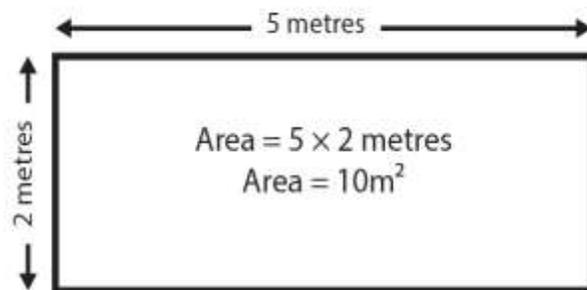### Difference between Area and Perimeter

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Every object or figure has an area and a perimeter. Two of the most common plane figures with their area and perimeter are given below in the table :

S.No.	Figure	Perimeter	Area
1.	**Rectangle** a b b a	Sum of all sides : a+b+a+b 2a + 2b 2(a+b) a= length b=breadth **P= 2(length+ breadth)**	a × b **A = length × breadth**
2.	**Square** s s s s	Sum of all sides: a+a+a+a 4a a= side of square **P= 4(side) or 4 × side**	a × a **A= side × side**

You should know ....

Area = 5 × 2 metres
Area = 10m^2

(5 metres × 2 metres)

Area = 4 × 4 cm
Area = 16cm^2

(4 cm × 4 cm)

Perimeter is measured in cm, m …

Area is measured in square units like cm^2 , m^2 …

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General Instructions:
1. Solve the complete assignment in your Mathematics notebook.
2. Be neat in your presentation.
3. Draw figures where necessary.

Q.1 Match the figures in column I with their corresponding perimeter in Column II, given that each figure has the side as 2cm:

Column I	Column II
(A)	(i) 16cm
(B)	(ii) 20cm
(C)	(iii) 24cm
(D)	(iv) 28cm
	(v) 32cm

Q.2 State whether the following statements are True or False:
   a) Rita wants to raise a boundary wall around her house. For this, she must find the area of the land of her house.
   b) A person preparing a track to conduct sports must find the perimeter of the sports ground.
   c) Mina wants to stitch a frill around the table cloth. For doing this, she needs to find the area of the table cloth.

Q.3 Find the perimeter of the following figures :
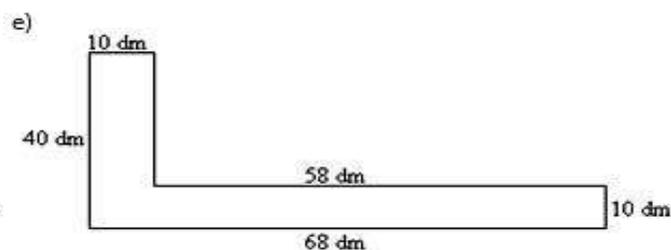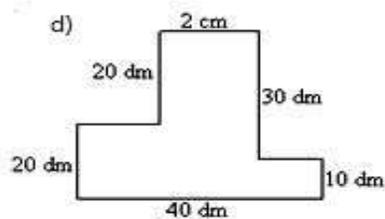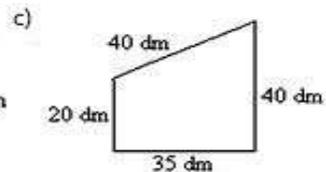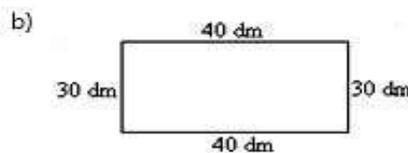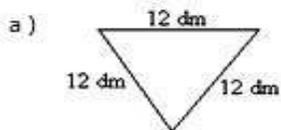
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Q.4 Two sides of a triangle are 12 cm and 9 cm. The perimeter of the triangle is 32 cm. What is the measure of the third side?

Q.5 One side of a square stamp is 3 cm long. What will be the perimeter of the stamp?

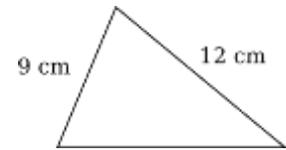**Q.6** The letter "T" is made using matchsticks, forming 5 equal squares. Assuming each side of the square to be equal to 3 cm, find the area of this letter.

Q.7. Find the area and perimeter of the following objects:

   a. A scale measuring 15 cm by 3 cm.
   b. A photo frame measuring 45 cm by 30 cm.

Q.8 A square piece of land has each side equal to 100 m. If three layers of metal wire are to be used to fence it, what is the total length of wire needed?

Q.9 Here are some rectangles made up of different coloured blocks. Assuming each side of each block to be 5 cm, find the area of each colour given below.
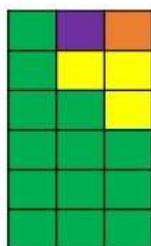
Purple = _____ squares
Yellow = _____ squares
Green = _____ squares
Orange = _____ squares
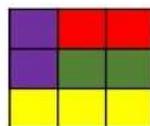
Purple = _____ squares
Yellow = _____ squares
Green = _____ squares
Red   = _____ squares
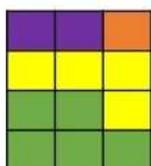
Purple = _____ squares
Yellow = _____ squares
Green = _____ squares
Orange = _____ squares
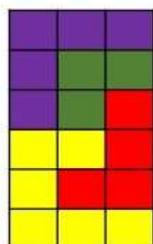
Purple = _____ squares
Yellow = _____ squares
Green = _____ squares
Red   = _____ squares

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Q.10 A rectangular parking lot is 50m wide and 100m long. What will be the area of the parking lot?

Q.11 Find the cost of fencing a rectangular park of length 250 m and breadth 175 m, if the cost per sq. m is ₹12.
(Hint: Use perimeter to find the cost of fencing)

Q.12 The length of a rectangle is 6 cm more than its width. If the width is 10 cm, find the perimeter of the rectangle.

Q.13 A teacher gives her students 5 identical squares and asks them to form various shapes using them. Shown below are the shapes formed by 4 students. Find which shape has the least perimeter.
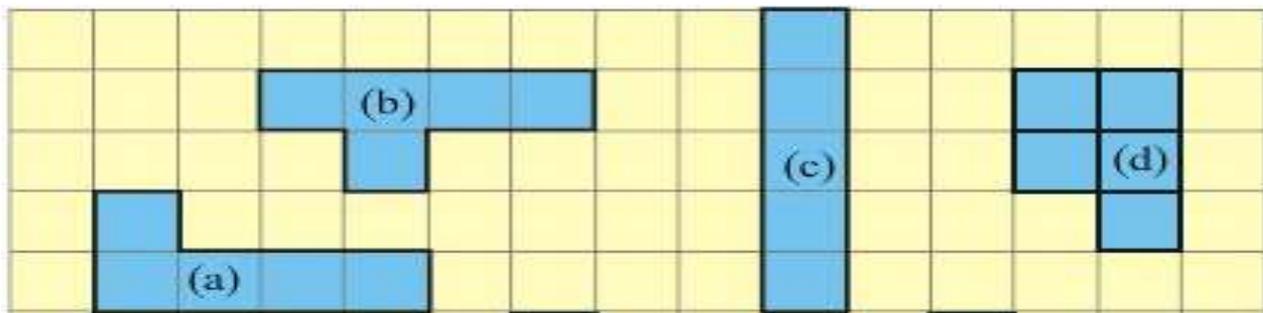
**Q.14** During the lockdown period, you might have often found yourself bored, being inside the house whole day. Many a times you might have simply gazed on to various objects placed around in your house. Now follow these instructions and proceed:

   a. Identify and name any 3 objects which are
      (i) rectangular in shape
      (ii) square in shape.

   b. Take any measuring tool, like measuring tape or a scale and measure the dimensions (length and breadth) of these objects.

   c. Take any two objects (1 rectangular, 1 square), and find their area and perimeter.

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Q.15 Given below is a 15x15 grid, having letters filled randomly. Try finding 15 words in 15 minutes using 15 hints given after the grid. The words connect to Math itself. So, give yourself "THE 15" challenge.

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

a. Marking the boundary of a land (7 letters)
b. White boards are mostly of this shape (9 letters)
c. The figure has all sides and all angles equal (6 letters)
d. _____ is calculated to find the cost of flooring (4 letters)
e. Area of a rectangle is _____x breadth (6 letters)
f. It has three sides and three angles (8 letters)
g. 1 foot=12 _____ (4 letters)
h. Perimeter of a _____ is always the measure of its boundary (6 letters)
i. A figure with 5 sides is called a _____ (8 letters)
j. In this triangle, all three angles are equal to 60° (11 letters)
k. If ABCD is a square, then AB, BC, CD and DA are its _____ (5 letters)
l. The other name for width (7 letters)
m. 200 cm= 2 _____ (6 letters)
n. In cricket, it's a 6, when the ball flies beyond the _____ (8 letters)
o. The length of the border running around any object or figure is its _____ (9 letters)
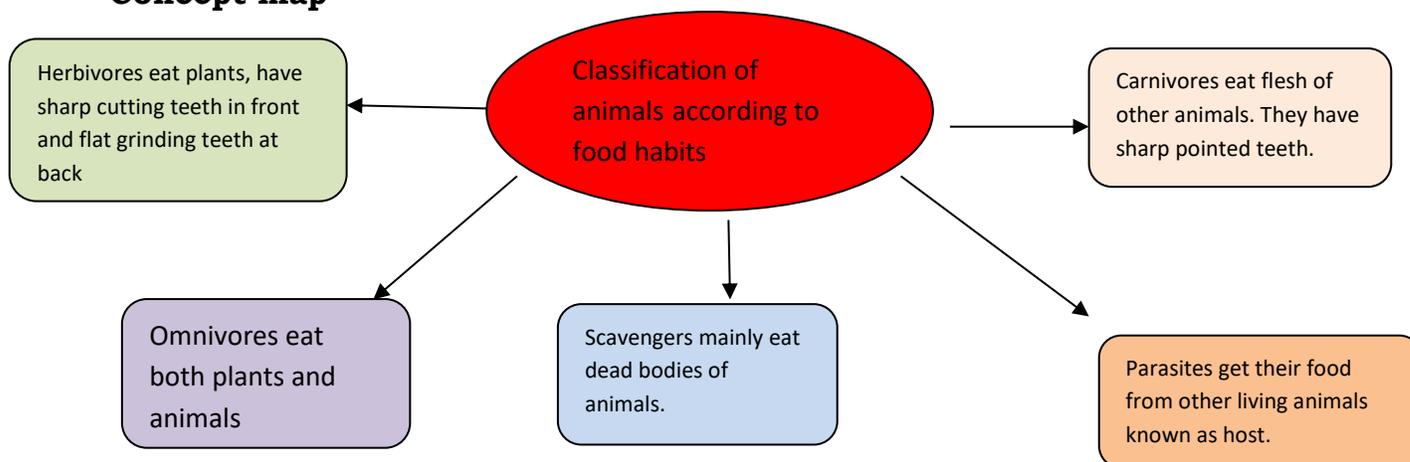
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Science

Topic : Food Habits of Animals

Q.1 Animals cannot prepare their own food,then how do they get their food?

Q.2 Do all animals eat the same kind of food?

Q.3 Study the concept map below and answer the questions that follow:

Concept map

Herbivores eat plants, have sharp cutting teeth in front and flat grinding teeth at back		Classification of animals according to food habits		Carnivores eat flesh of other animals. They have sharp pointed teeth.

Omnivores eat both plants and animals	Scavengers mainly eat dead bodies of animals.	Parasites get their food from other living animals known as host.

> **Get it right**
>
> Some carnivores and omnivores consume dead bodies of animals, they are known as scavengers.

a) Shown below is a skull of an animal. Identify the category of animals this skull belongs to? What helped you to decide the category?

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b) Why do herbivores have sharp front teeth and broad flat teeth?

c) Carnivorous birds, for e.g. eagle, do not have teeth, then how do they tear off the flesh?

d) What would have happened to our environment if scavengers were not there?

e) Classify the following animals as herbivores, carnivores, omnivores on the basis of their eating habits in the table given below:
Dogs, snake, horses, human beings, cockroach, vulture, crow, deer, wolves, cats, hyenas, goats, jackals

Herbivores	Carnivores	Omnivores

Out of the animals given above which of them belong to the category of scavengers?

f) What does a mosquito use the labeled part for?
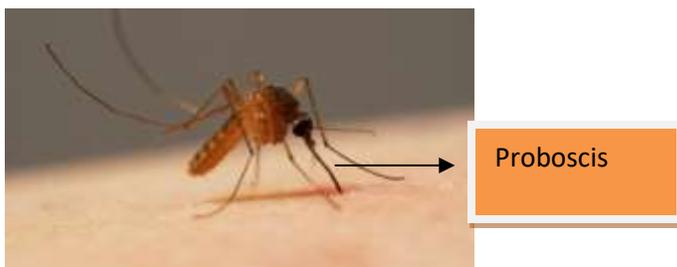
g) Tapeworm lives inside the small intestines of animals and takes the food digested by them. How would you categorize the tapeworm on the basis of its food habit?

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Food chains in nature

Food chains depict who eats what in nature or how a living thing gets its food in a particular environment and also interdependence of various organisms in that environment.

Q.4 Study the food chain given below and answer the questions that follow:
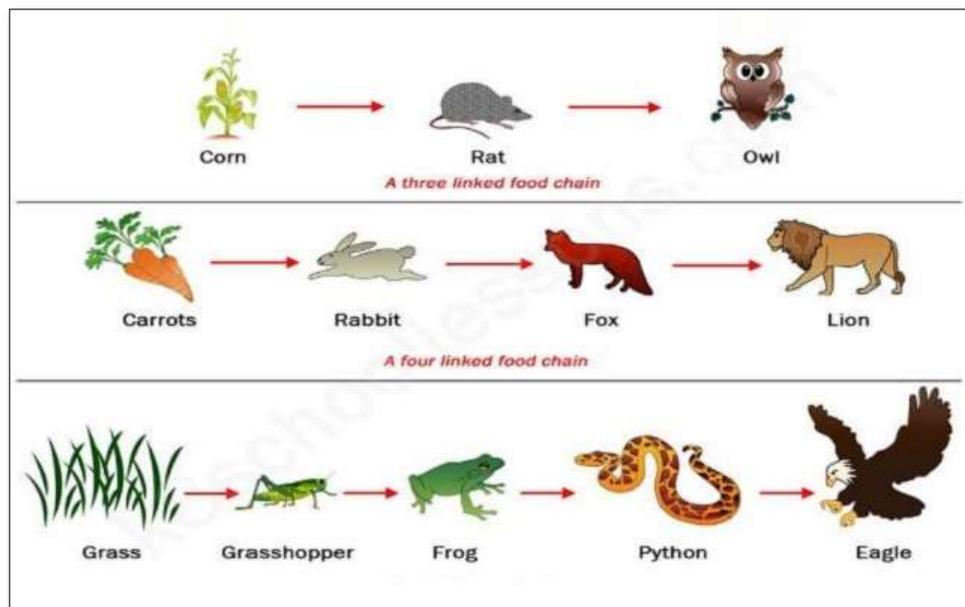
a. Why do you think all the food chains begin with green plants?
b. How would you categorize rat, rabbit and frog on the basis of their food habits?
c. What will happen to the population of grasshopper and python if frogs disappear from the third food chain?
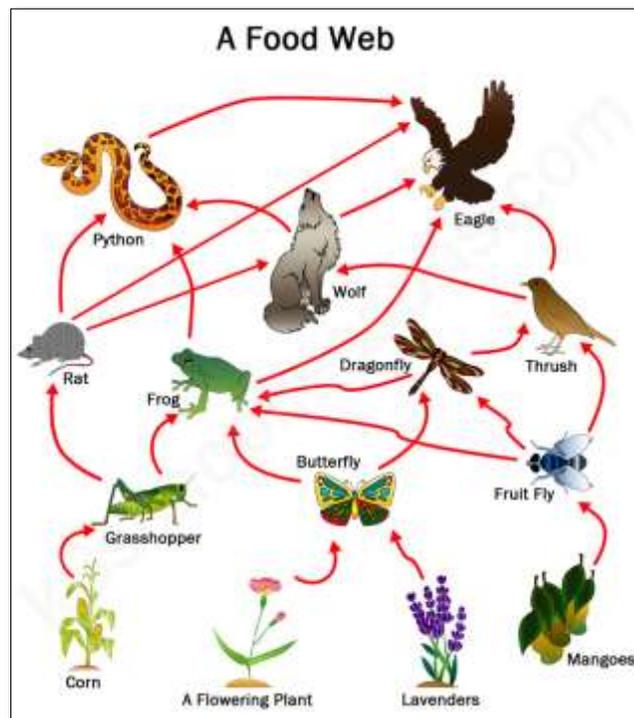d. How do human acts like deforestation affect a food chain?

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Think like a scientist

If you observe the food chains given above, you will find that one living organism can be part of other food chains for e.g. plants.

All of the interconnected and overlapping food chains in a habitat make up a food web.

A Food Web

Q.5 Study the food web and construct two food chains with four links from it.

Stay curious :

To know more about parasites and how they alter the behavior of their hosts follow the link below:

https://www.youtube.com/watch?v=g09BQes-B7E

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Social Science
Topic: Studying the Past: What, Where, How and When?

History helps us understand people, societies, cultures and encourages tolerance. It can be about learning from mistakes. History is linked to everything in the world. Learning about the past can teach us about events today. History is full of amazing stories and everyone is a part of history.

Q.1 A list of definitions of terms and concepts relevant to the study of history is given below. Name the following aspects of studying history:

 a) The study of the sequence of past events.

 b) The study of human history and pre-history, through the excavation of sites and the analysis of physical remains.

 c) A scholar who studies or writes about the past.

 d) Any document written by hand on soft surfaces.

 e) Writings on hard surfaces.
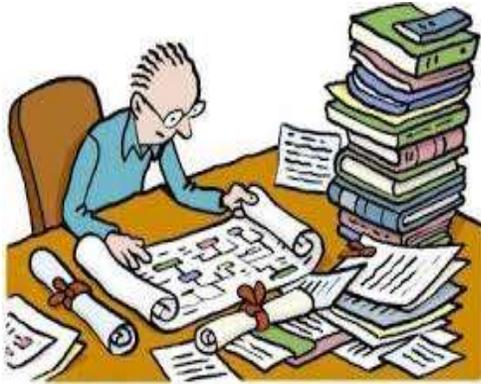

Gold Coin of Andragoras or Androcottos

 f) The study of ancient inscriptions.

 g) The study of coins.

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Q.2 How is the work of an archaeologist and a historian similar to that of a detective?

Q.3 History tells us that life of the early humans was tough. He was a nomad and a hunter-gatherer. Environment played an important role in settling of the early humans. Why did early humans settle near the river valleys?

Q.4 The discovery of fire was a milestone in the development of human life. By rubbing two pieces of stones against one another, humans discovered fire. What were the benefits of discovery of fire to the early nomads?