

CARMEL ENGLISH SCHOOL, KALLATA

(Secondary & Senior Secondary School, Affiliated to CBSE, New Delhi)

COVID-19 HOLIDAY HOME ASSIGNMENT

SUBJECT: SCIENCE

Date 22.04.2020

<https://www.youtube.com/watch?v=CGChNiNuUdY&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=1>

<https://www.youtube.com/watch?v=EXzRVpr0RJU&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=2>

Date 23.04.2020

<https://www.youtube.com/watch?v=GIN73r5sl6c&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=3>

<https://www.youtube.com/watch?v=RDlxOWnWW8M&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=4>

Date 24.04.2020

<https://www.youtube.com/watch?v=gXOHyYaB3-I&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=5>

<https://www.youtube.com/watch?v=wLQHK3ZN0II&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=6>

<https://www.youtube.com/watch?v=cIHkoORhLkw&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=7>

Date 25.04.2020

<https://www.youtube.com/watch?v=5fbuJ4a-R1w&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=8>

<https://www.youtube.com/watch?v=xkD1XDvUvNQ&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=9>

Date 27.04.2020

<https://www.youtube.com/watch?v=eanZssnO6L0&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=10>



<https://www.youtube.com/watch?v=HCq-yuGQ6cQ&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=11>

Date 28.04.2020

<https://www.youtube.com/watch?v=yMMtbm3Y9Eg&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=12>

<https://www.youtube.com/watch?v=pkTFhZWg2xs&list=PLHOGBLPrsnMoZNLxYasHSitoQLzhpcZ&index=13>

Date 29.04.2020

Revision <https://youtu.be/PkIY4MWTUHg>

Exercise Questions

1. Fill in the blanks:

- (a) The main steps of nutrition in humans are _____, _____, _____, _____ and _____.
- (b) The largest gland in the human body is _____.
- (c) The stomach releases hydrochloric acid and _____ juices which act on food.
- (d) The inner wall of the small intestine has many finger-like outgrowths called _____.
- (e) Amoeba digests its food in the _____.

2. Mark 'T' if the statement is true and 'F' if it is false:

- (a) Digestion of starch starts in the stomach. (T/F)
- (b) The tongue helps in mixing food with saliva. (T/F)
- (c) The gall bladder temporarily stores bile. (T/F)
- (d) The ruminants bring back swallowed grass into their mouth and chew it for some time. (T/F)

3. Tick () mark the correct answer in each of the following:

- (a) Fat is completely digested in the
(i) stomach (ii) mouth (iii) small intestine (iv) large intestine
- (b) Water from the undigested food is absorbed mainly in the
(i) stomach (ii) foodpipe (iii) small intestine (iv) large intestine

4. Match the items of Column I with those given in Column II:

Column- I	Column- II
Food components	Product(s) of digestion
Carbohydrates	Fatty acids and glycerol
Proteins	Sugar
Fats	Amino acids

5. What are villi? What is their location and function?

6. Where is the bile produced? Which component of the food does it help to digest?

7. Name the type of carbohydrate that can be digested by ruminants but not by humans. Give the reason also.

8. Why do we get instant energy from glucose? 9. Which part of the digestive canal is involved in:

- (i) absorption of food _____.
- (ii) chewing of food _____.
- (iii) killing of bacteria _____.
- (iv) complete digestion of food _____.
- (v) formation of faeces _____.

10. Write one similarity and one difference between nutrition in amoeba and human beings.

11. Match the items of Column I with suitable items in Column II

Column-I	Column-II
a) Salivary gland	(i) Bile juice secretion
b) Stomach	(ii) Storage of undigested food
c) Liver	(iii) Saliva secretion
d) Rectum	(iv) Acid release
e) Small intestine	(v) Digestion is completed

f) Large intestine	(vi) Absorption of water
	(vii) Release of faeces

12. Can we survive only on raw, leafy vegetables/grass? Discuss.

Mathematics

Date : 30.04.2020

<https://www.youtube.com/watch?v=aLSGXgvg5ow>

<https://www.youtube.com/watch?v=WHotjf8miWI>

Date : 01.05.2020

<https://www.youtube.com/watch?v=0rRuoi1cCM>

<https://www.youtube.com/watch?v=Mlc2NZK7laM>

Date : 02.05.2020

<https://www.youtube.com/watch?v=47Tr1NLN-Kc>

<https://www.youtube.com/watch?v=d6UmmJSPv0w>

Do the exercise of Chapter 2

i) $2 - (3/5)$

ii) $4 + (7/8)$

(iii) $(3/5) + (2/7)$

(iv) $(9/11) - (4/15)$

(v) $(7/10) + (2/5) + (3/2)$

2. Arrange the following in descending order:

(i) $2/9, 2/3, 8/21$

(ii) $1/5, 3/7, 7/10$

3. In a "magic square", the sum of the numbers in each row, in each column and along the diagonals is the same. Is this a magic square?

4/11	9/11	2/11
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3/11	5/11	7/11
8/11	1/11	6/11

4. A rectangular sheet of paper is $12\frac{1}{2}$ cm long and $10\frac{2}{3}$ cm wide. Find its perimeter.
5. Ritu ate $(\frac{3}{5})$ part of an apple and the remaining apple was eaten by her brother Somu. How much part of the apple did Somu eat? Who had the larger share? By how much?

