MADHAV INTERNATIONAL SCHOOL
Affiliated to the Council for Indian School Certificate Examinations (CISCE) - GU031/2014
Pranaminagar, Vastral, Ahmedabad-382418, Gujarat
Ph. +91-079-29292753 | Email: admin@madhavinternationalschool.org

DIWALI ASSIGNMENT
Grade:-7 Biology

Q:1 Answer the following questions.

a) Draw the structure of the stomata and explain the structure .

b) Describe the food chain and food web with chart.

c) Draw the diagram of tooth and describe it.

d) Draw the digestive diagram and explain the whole process.

e) Draw the diagram of tooth decay and explain it.

f) Explain the whole process of digestion with all reactions.

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DIWALI VACATION
Chemistry Assignment

NAME: _____ **Roll No:** _____ **Date:** **06/1**1**/2016**

Q.1 Write the formulae with the help of hit and trial method of the compounds.

1. Hydrogen chloride
2. ammonium chloride
3. calcium chloride
4. Aluminium chloride
5. Zinc Chloride
6. Magnesium chloride
7. Copper chloride
8. Sodium chloride
9. lead (II) chloride
10. Iron (II) chloride
11. Iron (III) chloride
12. Cobalt chloride
13. Silver chloride
14. Mangnese chloride
15. Mercury chloride
16. Tin (IV) Chloride
17. Tin (II) chloride
18. Potassium chloride
19. Phosphorous (III) chloride
20. Carbon tetrachloride

Sulphates

21. Sodium sulphate
22. Calcium sulphate
23. Copper sulphate
24. Magnesium sulphate
25. Aluminium sulphate
26. lead (II) sulphate
27. Potassium sulphate
28. Ammonium sulphate
29. zinc sulphate
30. Sulphuric acid

Hydroxides

31. Iron (II) hydroxide
32. Iron (III) hydroxide
33. Lead (II) hydroxide
34. Calcium hydroxide
35. zinc hydroxide
36. Copper hydroxide
37. Ammonium hydroxide
38. Sodium hydroxide
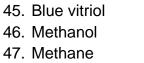**39.** Potassium hydroxide
40. Aluminium hydroxide

Carbonates

1. Sodium carbonate
2. Potassium carbonate
3. copper (I) carbonate
4. Aluminium carbonate
5. Lead (II) carbonate
6. Calcium carbonate
7. Sodium hydrogen carbonate
8. Potassium hydrogen carbonate
9. zinc carbonate
10. Carbonic acid

Nitrates
11. Sodium nitrate
12. Potassium nitrate
13. Copper nitrate
14. Ammonium nitrate
15. Lead (II) nitrate
16. Nitric acid
17. Ammonia
18. silver nitrate
19. Calcium nitrate
20. Magnesium nitrate
21. Oxides
22. Sodium oxide
23. Potassium oxide
24. Copper oxide
25. Magnesium oxide
26. lead (II) oxide
27. Aluminium oxide [alumina]
28. Silicon dioxide [Silica]
29. Iron (II) oxide
30. Iron (III) oxide
31. Mangnese (IV) Oxide
32. Calcium oxide [Quick lime]

Q.2 Write the formulae of followings.

33. Hydrochloric acid
34. Sulphuric acid
35. Nitric acid
36. Carbonic acid
37. Sulphurous acid
38. Phosphoric acid
39. Acetic acid
40. Sodium thiosulphate
41. sodium zincate
42. potassium aluminate
43. Water
44. common salt
45. Blue vitriol
46. Methanol
47. Methane
48. Butane
49. Methyl mercaptan
50. Glucose
51. Oxalic acid

Diwali Worksheet–(2016-17)
GRADE -7 (Computer)

Notes : Prepare a file, write the questions along with answers in two sides of paper. Prepare a flash project on any one topic; bring in pen-drive or CD.

Q1. Write a QBASIC program

- To calculate the square and cube of any number
- To check whether a person is eligible to vote
- To print the multiplication table of a number
- To input temperature in Celsius and convert it to Fahrenheit.

Q2. Prepare a flash project
1. Draw different geometrical figures in flash.
2. Draw a flower using Copy and Paste options. Group the various parts of the flower and then draw a bunch of flowers.
3. Create a moving train.

THE END

Diwali Worksheet–(2016-17)
GRADE -7 (Computer)

Notes : Prepare a file, write the questions along with answers in two sides of paper. Prepare a presentation on any one topic; bring in pen-drive or CD.

Diwali Worksheet–(2016-17)
GRADE -7 (Computer)

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	Worksheet (Mathematics)
Roll No : _____	(Grade : 7)

Q.1) 60% of a certain number is 320, find the number.

Q.2) What sum of money when decreased by 30% becomes rs.210 ?

Q.3) Nisha buys a used TV for rs 1500 and spend rs 300 on its repairs. If she sells the same for rs1860 , find her profit percent.

Q.4) Find the simple interest and amount when principal is rs300 , rate is 10 paise per rs per annum and time is 6 months.

Q.5) Subtract the sum of 3a – 4b + 5c and – 5a + 7b – 9c from a – b – c .

Q.6) Find the value of $(1 - m + a)^3$ for m = - 3 and a = 2 .

Q.7) Divide : 13 x^2 + 22 x – 8 by (x + 2)

Q.8) Remove brackets and simplify: $(b^{2-}c^2) - [b^2 - b(5b + c) + c^2]$

Q.9) solve for variable v : $\frac{1}{f} = \frac{1}{u} - \frac{1}{v}$

Q.10) Find the value m in $J = \frac{1}{3}h\ m^3$ if J = 20 and h 12.8 .

Q.11) 8S = k(r + t) , find S if k = 5 , r = 0.2 and t = 10 .

Q.12) Find the value of : $(\frac{-5}{6})^3 \times (-2)^3$.

Q.13) Find the value in the exponential form: $\left(\frac{5}{16}\right)^{12} \div \left(\frac{5}{16}\right)^{14}$.

Q.14) Simplify : $\left(\frac{2}{3}\right)^{-2} \times \left(\frac{5}{16}\right)^{0}$.

Q.15) Simplify : $\left(\frac{10}{3}\right)^{-7} \times \left(\frac{5}{3}\right)^{-4}$

Q.16)Factorize : 2 p (y - x) + q (x - y)

Q.17) Factorize : $xy^2 - yz^2 - xy + z^2$

Q.18) Factorize the binomial : 64 $(p + q)^2$ – 49 $(p – 2q)^2$

Q.19) Solve : 3.22 t + 2.02 t = 4.44 + t

Q.20) Solve : u – 20% of u = 34 .

Q.21) One- fourth of a number is 4 more than one fifth of the number. Find the number.

Q.22) The sum of two numbers is 30 and the one of them is 6 greater than the other. Find the numbers.

Draw the graphs of the following:

Q. 23) x + y = 10

Q.24) y = 2x – 8

Q.25) x = 11 – 4x

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Name : _____	**DIWALI VACATION WORKSHEET**		
Roll No : _____	Grade : 7	Sub:Physics	Date :27/10/2016

- **Solve the following problems:**

1. A ship sends a sound signal which is reflected from the seabed and returns to the ship in 3 seconds. What is the depth of sea at the place? (The speed of sound in sea water is 1500 m/s)
2. A boy stands a distance 175 m from a high wall. He claps his hand and hear an echo after one seconds. Calculate the speed of sound in air.
3. During a thunderstorm,the thunder is heard 2 seconds after the flash of lightning is seen .If the speed of sound is 340 m/s, Calculate the distance at which the lightning takes place.
4. Convert 30 ^{0}C into ^{0}F and 113 ^{0}F into ^{0}C.
5. Convert 50 ^{0}C into K and 354 K into ^{0}C.
6. If the frequency of a sound wave is 0.25 Hz then find the time period.
7. If the time period of a sound wave is 5 seconds then find the frequency.
8. The temperature of an object is 60 ^{0}C .What is its temperature on Fahrenheit scale?
9. Boiling point of alcohol is 78 ^{0}C. Find its temperature in Kelvin scale.
10. Find the temperature whose value is same on Celsius and Fahrenheit scales.
11. The recorded temperature of a patient is 100.4 ^{0}F. What will be his temperature on Celsius scale?
12. SONAR fitted on a motor boat sends a sound signal, which is reflected from the seabed and returns to SONAR detector after 2.4 s. What is the depth of the sea at that place?Given speed is 1450 m/s
13. A musical instrument produces sound of frequency 400 Hz. Find the time period of vibration of a particle.
14. A certain day the room temperature is 77 ^{0}F. What will be the corresponding value on the Celsius scale?
15. Body temperature of a healthy person is 37^{0}C.What will be his temperature when measured on Fahrenheit scale?