

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Science

Holiday Homework Assignment

Standard - 6th

Name :

Section :

Roll

No.

- A. Write the names of any 5 animals / birds and classify them according to their habitat, feeding habit, organs of movement and body coverings. Follow the example given below.

S. No.	Name of the Animal / Bird	Habitat	Feeding Habit	Organs of Movement	Body Coverings
Example	Fish	Water	Omnivore	Fins	Scales
1					
2					
3					
4					
5					

B. Have a treat without heat!!

Prepare a recipe with locally available ingredients. List down all these ingredients and procedure to prepare your delicacy.

Meals	Carbohydrates	Proteins	Vitamins and Minerals
Breakfast	Eg. Cornflakes	Milk	Apple
Mid-day			
Lunch			
Dinner			

3. Balanced diet is a must for us and we should stick to healthy food, so during vacations make a diet plan for a week on A4 size sheet.

4. Obesity is a very common disease in world these days. Write down any 4 ways how to control obesity.



- a)
- b)
- c)
- d)

5. 'Honey' is very delicious and is also very helpful for our body. Explain how ?



6. **Prepare a Science Magazine on the theme "Environment"**

Use coloured sheets to make your holiday homework on Science magazine. Make a nice cover. Use your imagination and creativity. The content should be of 7-8 pages only.

Some of things that you could put in the magazine are :

- a. Information about one famous environmentalist, his / her picture, and information about his/her work.
- b. News clippings and articles about the environment.
- c. Some (3-4) amazing / interesting facts.
- d. Puzzles/riddles/jokes/thoughts about the environment.
- e. Information about pollution in the River Yamuna or any other polluted place near your house. Visit the river / polluted place / a water source with your parents and write about it in the magazine.
- f. Write 5 things that you must keep in mind to keep the environment clean. Give your magazine a suitable title.

Learn Block-1 to Block-6.

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Subject - Science

Holiday Homework Assignment

Standard - 7th

Name : **Section :** **Roll**
No.

1. Draw a poster showing the benefits of leguminous plants. Grow some leguminous plants in a garden. Share your knowledge with your family.
2. Make a chart (*Any one*)
 - a) Life cycle of Silkworm
 - b) Digestive system in Humans
 - c) Nutrition in Herbivores
3. Make a project on topic (*Any one*) in Notebook
 - a) Rusting and its effects - (experience learning book)
 - b) Heterotrophic plants
 - c) Processing of silk
 - d) Types of teeth
4. Make a list of any 10 changes can be commonly observed around you and classify them as physical or chemical change.

OR

- Paste different types of fibres in a scrap book and mention their uses.
5. Comment on it - Is it ethical to kill silkworm for obtaining silk ?
 6. Write 20 amazing facts on plants and animals.
 7. Observe daily reading of temperature in °C and convert it into fahrenheit.
 8. Make a project on weather and climate. Collect the informations related to mansoon.

9. Learn questions of block-1 to block-6

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Science

Holiday Homework Assignment

Standard - 8th

Name :

Section :

Roll

No.

1. Write your experience of XSEED classroom. Also refer one class as the best experience in details.
2. Prepare a project on (any one)
 - i) Synthetic fibres
 - ii) Micro organisms
 - iii) Coal - A fossil fuel
3. Draw a learning chart based on the block studied.
4. Write a short note on (500 words each)
 - i) Ebola
 - ii) Swine Flu
5. Note daily Science news from the news paper either TOI or The Hindu. (Date wise)
6. Visit to a farmer & also go to his land, then take his/her interview (focussed on the technology, crops & government aids). Also summarize his cultivation practices and types of crops. Make a report of it.
7. What are the important safety steps during an earthquake ?
8. Learn Block-1 to Block-6.

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Science

Holiday Homework Assignment

Standard - 9th

Name : **Section :** **Roll**

No.

PHYSICS

1. Write a short note on Natural Disaster with a real time incidence (500 words.)

OR

- Write a short note on Earth Quakes (Technical Details)
2. Prepare a project on (any one)
- i) Gravitational Force
 - ii) Motion & its types
 - iii) MOM - Milestone for ISRO
3. Note daily science news from the newspaper either TOI or The hindu (date wise)
4. Do the assignment attached.
5. Elaborate the work of Sir Issac Newton & also importance of their contribution to the Science & Society (2 to 4 pages)

BIOLOGY

1. Draw diagram of - (In fair notebook)
- a) Plant Cell
 - b) Animal Cell
 - c) Nerve Cell
 - d) Types of Muscle Fibers
 - e) Types of Connective Tissue
2. Write at least 20 amazing facts related to biological world.
3. Differentiate between - (if fair Notebook)
- a) Prokaryotes and Eukaryotes
 - b) Plant cell and Animal cell
 - c) Diffusion and osmosis

- d) Parenchyma, collenchymas and sclerenchyma
 - e) Xylem and Phloem
4. Write about 3 scientists related to the discovery of various organelles of cell.
 5. Make a project on topic - (any one)
 - a) Malaria - A disease of multi cellular organisms due to unicellular organism (Plasmodium)
 - b) Different Blood Cells
 - c) Types of muscles fibres
 - d) Common weeds of local crops
 6. Solve assignment (attachment)

CHEMISTRY

1. Make a list of pure substances (element & compound) and impure substances (mixture) which were used by the students daily first ten days of summer vacation.
2. Make a project on water treatment plant for safe drinking water (selected group)
3. Model to purify muddy water (selected group)
4. Different technique used for separation of mixture and application in daily life.
5. Calculate the mass by mass percentage of sugar in milk consumed by students during summer
6. Note the temp. on the prime days of month and convert it into kelvin scale.

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Subject - Science

Holiday Homework Assignment

Standard - 10th

Name :

Section :

Roll

No.

PHYSICS

1. Prepare a Project on
 - * Net Neutrality
 - * 2014- A failure in wireless communication
 - * MOM
2. Write a short note on (500 words)
 - * Magnetism of Earth (Def., Reason, Effect)
 - * Note daily Science news from the newspaper; either TOI or The Hindu (Date wise)
4. Do attached assignment.
5. Take regular observations of the domestic energy meter installed in your home & daily note down the readings & also the quantity of electric energy consumed.
 - * Do some activities & initiatives for the sensible use of electricity.
 - * Check whether your steps are effective or not.
 - * Represent your reading in form of a graph & also calculate the amount you have saved.

BIOLOGY

1. Draw diagrams (any one) on the chart
 - * Digestive System
 - * Respiratory System
 - * Human Heart
 - * Excretory System

2. Write at least 20 amazing facts related to the biological world.
3. Make a project on topic (any one)
 - i) Hypertension a cause of concern
 - ii) Function of Human Heart
 - iii) Cardiovascular problems = Silent Killer
4. Differentiate between - (in fair notebook)
 - i) Artery and Vein
 - ii) Photosynthesis and Respiration
 - iii) Aerobic and Anaerobic respiration
5. Revise complete chapter - 6
6. Solve the assignment (attached)

CHEMISTRY

1. Prepare a chart / project of different chemical reactions in your surrounding.
Write their reactants and products also.
2. How the food get rancid, prepare a report ?
3. Observe from your surrounding, when metals get corroded which colour appears on which metal. Make a list.
4. Find our the name and formula of acid / base present in our eatables.
5. Why there is need to conserve energy ?
6. Make a model of lemon battery / electricity generation by citrus fruits / lassi.
7. Revise and learn the syllabus done in class.
8. Write and learn the chemical formulae for the following :

a) Common salt	b) Bleaching powder	c) Washing soda
d) Baking powder	e) Copper sulphate	f) Aluminium sulphate
g) Barium Chloride	h) Zinc Carbonate	i) Quick lime
j) Slaked lime	k) Lead nitrate	m) Aluminium Chloride

