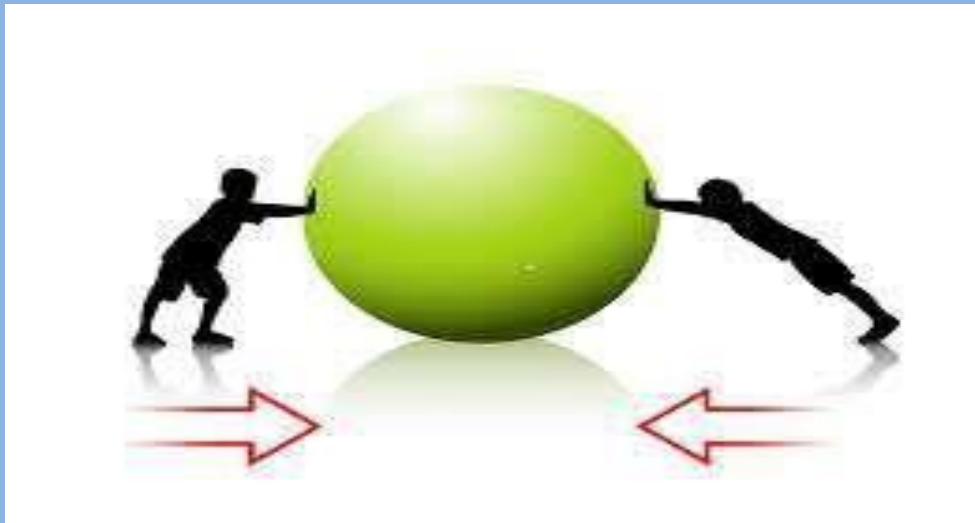


DELHI PUBLIC SCHOOL, JAMMU
SESSION -2022-23
HOLIDAY HOMEWORK
SUBJECT-SCIENCE
CLASS- IX

PHYSICS



- ❖ **Project: Prepare a project report on Balanced and unbalanced forces.**

Activity: Based on simple house hold materials.

Click on the link given below to watch the activity based on balanced & unbalanced forces:

LINK: <https://youtu.be/mr5o5190gQ4>

❖ **NOTE:**

- 1. The project report should be handwritten and done on A4 size sheets.*
- 2.It is to be completed within minimum limit of 6 to 8 pages with neat diagrams.*

ACTIVITY : TO DISSOLVE THE FOLLOWING

SUBSTANCES IN WATER :

i) TEA BAG ii) FOOD COLOUR (SOLID)

iii) RED INK iv) HONEY v) GLYCERINE

Q1. Record observations during the performance of activity and note the different diffusion rates of these substances in water.

Q2. How do the observations change in hot water?

Q3. Give 10 examples of diffusion in everyday life.

LINK: <https://www.youtube.com/watch?v=9QzYR5waXw0>

❖ **NOTE:**

- 1. The project report should be handwritten and done on A4 size sheets.***
- 2. It is to be completed within minimum limit of 6 to 8 pages with neat diagrams.***
- 3. For performing activity you can take help from given YouTube link.***

Biology

- ❖ **REPORT:** Make a report on Semi-autonomous organelles(Mitochondria & Plastids)
- ❖ **ACTIVITY:** To show the process of germination in jar.

LINKS: <https://youtu.be/RTRW2Cf9U2U>

<https://youtu.be/c79hFP5cJg0>



Note:

**The Activity should be done manually and the project should be handwritten and done on a file* (A4 size sheets) with proper acknowledgement, certificate and bibliography.*

**For performing activity you can take help from given YouTube links.*

**Submit your Holiday Homework to your respective Subject Teacher by 14th of July, 2022. Your submission will carry 10 marks. (5 marks- Content & Research, 3marks- Presentation, 2 marks creativity).*

***USE SEPARATE FILES FOR PHYSICS, CHEMISTRY & BIOLOGY**