

PM SHRI KENDRIYA VIDYALAYA NO.1 AFS GORAKHPUR
SCIENCE HOLIDAY HOMEWORK

CLASS VII

1. Watch science-based shows/videos (like National Geographic Kids or DIY Science Experiments) and write about one interesting thing you learned. (in your science notebook)
2. Describe the role of acids, bases, and salts in daily life.
3. Conduct a small experiment: Dissolve salt in water and explain whether it's a physical or chemical change.

2. COMPETENCY BASED QUESTIONS

- Q1) A farmer notices that his crops have yellow leaves and are not growing well. What could be the possible reasons? Suggest two ways to solve this problem.
- Q2) If a person skips breakfast regularly, how will it affect their body? Explain the importance of a balanced diet
- Q3) You mix vinegar with baking soda and observe bubbles forming. What type of change is this? Explain the process with reasoning.
- Q5. What is MCB and what is it used for?
- Q6. What are electromagnets?
- Q7. What is a virtual image and real image? Give each one. situation where a virtual image and real Image is formed
- Q8. State the differences between –
- i) A concave mirror and a convex mirror.
 - ii) A concave lens and a convex lens.
- Q9. (a) Write the uses of concave mirror.
- (b) Why does obtaining the image of the sun on a paper with the help of a concave mirror burn the paper?
- 10) 10) Boojho and Paheli were eating their food hurriedly so that they could go out and play during the recess. Suddenly, Boojho started coughing violently. Think of the reasons, why he was coughing and discuss with your friends

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