

**WINTER BREAK HOME WORK DECEMBER -2017**

**DO THE FOLLOWING EXERCISES:-**

- 1. What is pressure? Give its formula.**
  - 2. What are the various effects of force on different objects?**
  - 3. List out the advantages and disadvantages of friction.**
  - 4. How does loudness of sound is affected by amplitude?**
  - 5. List out some liquids that conduct electricity.**
  - 6. Prepare a list of objects around you that are electroplated.**
  - 7. What is the resultant force when two forces act in the same direction?**
  - 8. What is friction?**
  - 9. Draw the diagram of an electrolytic cell to show electrolysis of water. Label the diagram and also write a short note on it.**
  - 10. What are the different ways in which friction can be increased and decreased?**
  - 11. Draw the diagram to show electroplating. Label the diagram and also write a short note on it.**
  - 12. What is the audible range for human ears?**
  - 13. Mention three examples in which friction produces heat.**
  - 14. Define the following terms:-**  
**(i) Oscillation (ii) Time period (iii) Frequency (iv) Amplitude**
  - 15. List out some liquids that do not conduct electricity.**
  - 16. Learn the chapters 11, 12, 13 and 14 for your third periodic test.**
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