



# PHYSICS

## BOOKS - NAVNEET SCIENCE (HINGLISH)

### CORRELATIONS

#### Periodic Classification Of Elements

1. Dobereiner:Triad :: Newlands law : \_\_\_\_\_



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2. Mendeleev's periodic table : Atomic mass ::

Modern periodic table : \_\_\_\_\_



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3. Group 1 : Alkali metals :: \_\_\_\_\_ : Halogens



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4. Horizontal row : Periods :: \_\_\_\_\_ : Groups



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## Chemical Reactions And Equations

1.  $2H_2 + O_2 \rightarrow 2H_2O$ : Combination reaction

::  $2HgO \rightarrow 2Hg + O_2$ : \_\_\_\_\_



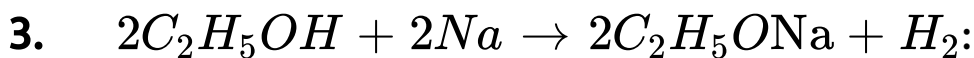
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2.  $NH_3 + HCl \rightarrow NH_4Cl$  : Combination

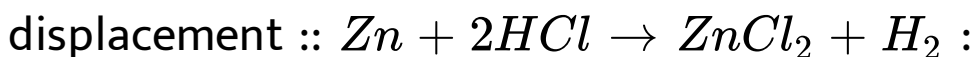
reaction ::  $Fe + CuSO_4 \rightarrow FeSO_4 + Cu$  :



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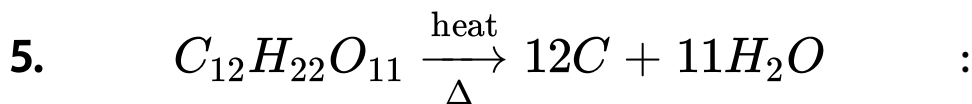


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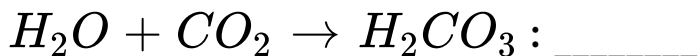




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Decomposition reaction ::



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Lenses

1. Nearsightedness : Elongated eyeball ::

Farsightedness : .....



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2. Convex lens: Converging :: Concave lens :

.....



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3. Object at  $2F_1$  of a convex lens : Image at  $2F_2$  :: Object at  $F_1$  : .....



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4. Magnification positive : Erect image ::  
Magnification negative : .....



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5. Convex lens : Positive power of the lens ::

Concave lens : .....



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6.  $\frac{1}{f(\text{in meter})}$  : Power of the lens (in diopetre)  
::  $\frac{\text{Image distance}}{\text{Object distance}}$  : .....



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7. Focal length : The metre :: The metre ::

Power of a lens : \_\_\_\_\_



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8. Iris : Pupil :: Ciliary muscles : .....



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9. Nearsightedness : Concave lens ::

Farsightedness : .....



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10. Nearsightedness : Image in front of the retina :: Farsightedness : .....



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11. Observation of stars and planets : Telescope :: Repairing a watch : .....



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12. Cinema : Persistence of vision :: Rainbow :

.....



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## Metallurgy

1. Brass : Copper and Zinc :: Bronze : \_\_\_\_\_.



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2. Pressure cooker : Anodizing :: Silver plated spoons : \_\_\_\_\_



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3. The sulphides ores are strongly heated in air : Roasting :: The carbonates ores are strongly heated in a limited supply of air : \_\_\_\_\_



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4. Sulphide ores : Froth floatation method :

Cassiterite ore : \_\_\_\_\_



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## Space Missions

1. IRNSS : Direction showing satellite :: INSAT :

\_\_\_\_\_



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2. Hubble telescope : 569 km high from earth surface :: Revolving orbit of Hubble telescope:



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## Assignment

1. Lens : Refraction of light :: Mirror : \_\_\_\_\_



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