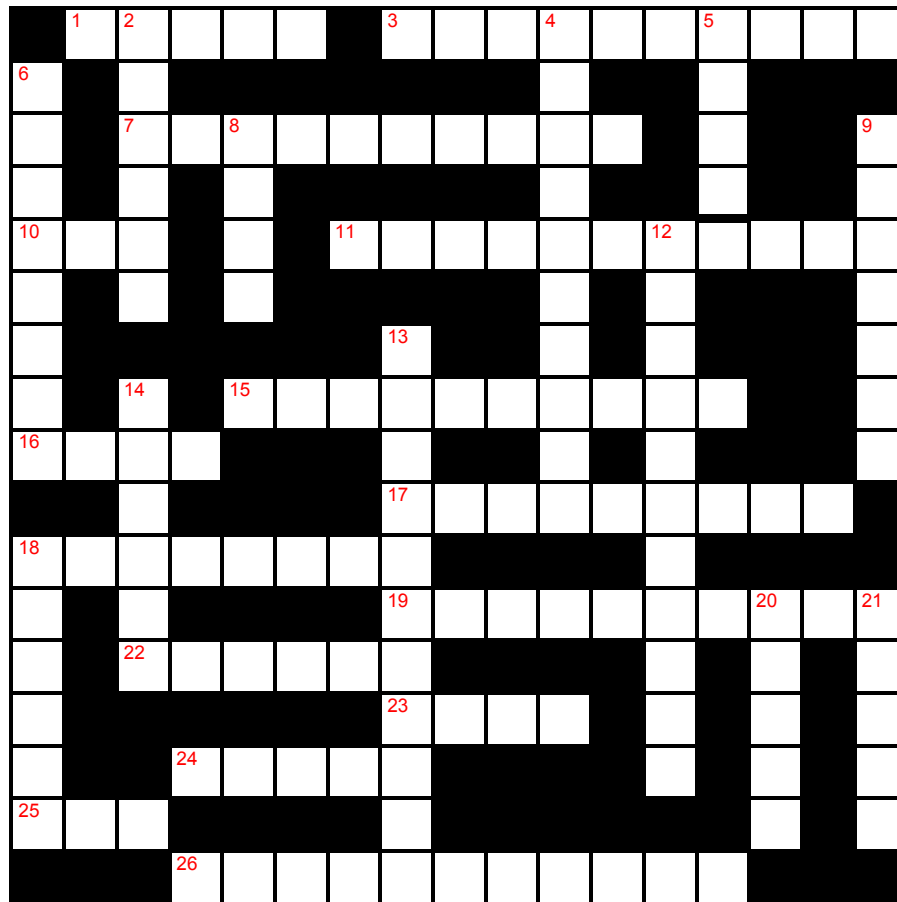


Lighting_Artificial_17x17_2008-10-15

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Across

1 Lighting of houses or streets is a ____ scene in India on any festival or celebration. (5)

3 The spatial property of being scattered about over an area or volume. (10)

7 Return of radiation by a surface or

medium without change of frequency of its monochromatic components. (10)

10 The quality of a colour as determined by its dominant wavelength. (3)

11 A morbid fear of light. (11)

15 The process in which incident

radiated energy is retained without reflection or transmission. (10)

16 The phenomenon of light emission by a body as its temperature is raised. (4)

17 ____ Lighting - Lighting provided for use when the supply

to the normal lighting fails. (9)

18 Optical device that distributes the light of a lamp evenly. (8)

19 Light that is a source of artificial illumination having a broad beam. (10)

22 The light-sensitive membrane

- covering the back wall of the eyeball. (6)
- 23 Visual receptor cell sensitive to colour. (4)
- 24 Any radiation capable of causing a visual sensation direct. (5)
- 25 Visual receptor cell sensitive to dim light. (3)
- 26 The fraction of incident radiant energy absorbed per unit mass or thickness of an absorber. (11)
- illuminate a selected area. (4)
- 6 The craft of providing artificial light. (8)
- 8 The rate of flow of energy or particles across a given surface. (4)
- 9 Device for starting a discharge lamp that provides for the necessary preheating of the electrodes and/or causes a voltage surge in combination with the series ballast. (7)
- the level of illumination. (6)
- 20 Great brightness. (5)
- 21 Characteristic of a luminaire that indicates the extent to which the light is 'thrown' in the lengthwise direction of the road. (5)

Down

- 2 That part of a luminaire designed to prevent the lamps from being directly visible over a given range of angles. (6)
- 4 Measuring instrument for measuring the luminous intensity of a source by comparing it with a standard source (10)
- 5 ____ light: A lamp that produces a strong beam of light to
- 12 Gas-filled lamp containing a tungsten filament and a small proportion of halogens. (7,4)
- 13 The ratio of the power in watts to the product of the r.m.s. values of voltage and current. (5,6)
- 14 An ornamental sunken panel in a ceiling or dome. (6)
- 18 A rheostat that varies the current through an electric light in order to control