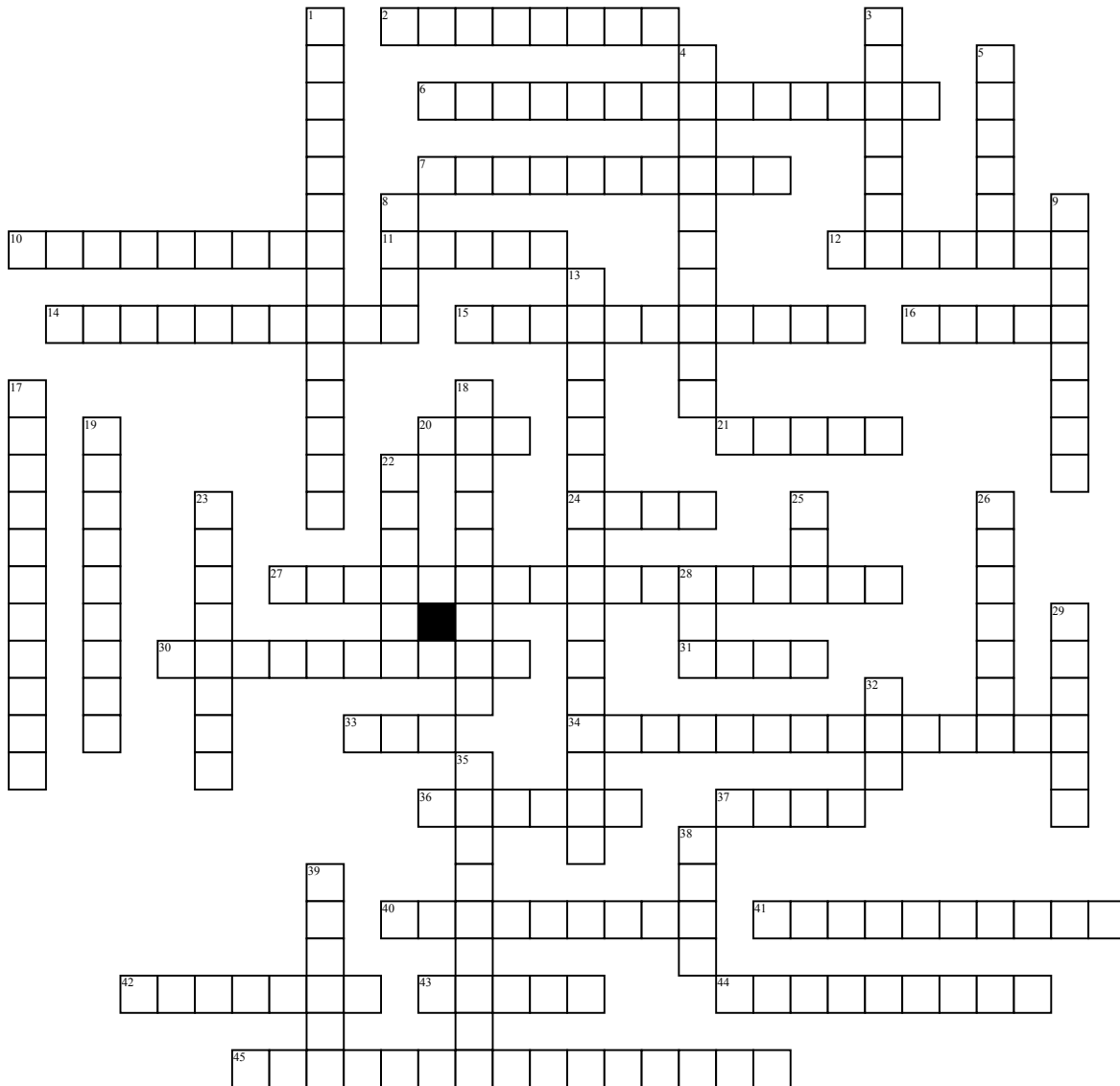


# Physics



## Across

2. The clouding of the lens of the eye, preventing clear vision.  
 6. Two atomic processes to produce x-rays: \_\_\_\_\_ and x-ray fluorescence  
 7. A process which causes the atoms to eject electrons when gamma rays strike on it.  
 10. Black light that gives off long-wave UVA radiation  
 11. frequency-offset separated oscillatory fields  
 12. Skin's pigment which absorbs UV light.  
 14. First lenses made in 7th century  
 15. \_\_\_\_\_ radiation is used to disinfect hospital and laboratory equipment.  
 16. Shorter microwaves are used in \_\_\_\_\_ technology.  
 20. Color with longest wavelength  
 21. An exoplanet classified as "super-earth".  
 24. It comes from the Latin word "lentic".  
 27. Soil-inhabiting fungal species affecting banana plants  
 30. The presence of \_\_\_\_\_ in a planet's atmosphere is an indicator to support life.  
 31. National Aeronautics and Space Administration  
 33. Compact Fluorescent Lamp  
 34. Organisms that glow in the dark  
 36. Color with shortest wavelength  
 37. Medical radiography is using \_\_\_\_\_ x-ray.

40. Infrared sauna is used to treat health problems such as \_\_\_\_\_.

41. It uses convex lenses to generate magnified images of tiny objects.

42. Convex lenses control the magnification level of images in \_\_\_\_\_.

43. Imaging company who came up with the world's most extreme fisheye lens.

44. She is a recipient of Shimadzu Achievement Award for Chemical Research

45. Nero used emerald to correct his \_\_\_\_\_.

## Down

1. It was claimed that \_\_\_\_\_ is the true maker of the compound microscope.

3. It produces an upright virtual image that appears to be farther and smaller than the object.

4. \_\_\_\_\_ radio waves are used in communication and broadcasting.

5. A tiny subatomic particle with positive electric charge.

8. Philippine Federation of Chemistry Societies

9. EMR used in night vision goggles.

13. Hard x-rays are used by \_\_\_\_\_ to determine crystal structure.

17. X-rays are used to reveal the \_\_\_\_\_ techniques in paintings.

18. Subatomic particles very similar to electrons but have no electrical charge.

19. A type of banana grown in the Philippines mainly for export.

22. A plant threatened to be wiped out because of a fungal disease.

23. An EMR trapped in the atmosphere of planet Venus.

25. Energy Efficiency Ratio

26. \_\_\_\_\_ and nitrogen are elements indicative of life.

28. Main source of visible light on earth

29. Skin's natural reaction to UVB ray exposure.

32. Light-Emitting Diode

35. A non-nuclear process

38. Department of Science and Technology

39. \_\_\_\_\_ disease is also known as Fusarium wilt.