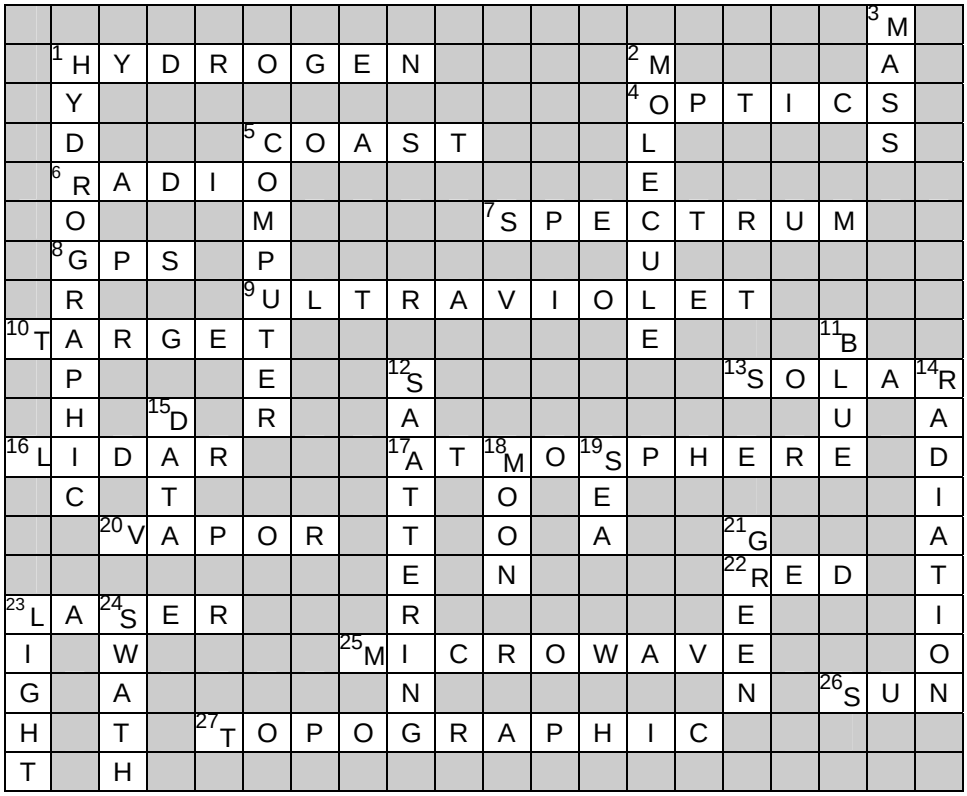

Across

1 The lightest of all elements

4 Elements such as lenses, mirrors, or light guides

5 Land next to sea

6 Approximate range from 3-10 Kilohertz to 300,000 megahertz

7 The distribution of colors produced when light is dispersed by a prism

8 Satellite signals to fix the location

9 Beyond the violet in the spectrum

10 A mark to shoot

13 Proceeding from the sun, as light or heat

16 Measures properties of scattered light

17 A layer of gases surrounding the planet Earth

20 Fog, mist, steam, smoke, or noxious gas

22 The hue of an apple

23 An optical device that produces an intense beam

25 A high-frequency electromagnetic wave

27 Maps or charts to show relative positions and elevations

Down

1 Relating to the charting of bodies of water

2 The smallest particle of a substance

3 The property of a physical object that quantifies the amount of matter

5 Performs high-speed mathematical or logical operations

11 Visible spectrum lying between green and indigo

12 The dispersal of a beam or particles

14 The process in which energy is emitted as particles or waves

15 The results of analysis

18 The earth's natural satellite

19 A subdivision of an ocean

21 The visible spectrum lying between yellow and blue

23 Electromagnetic radiation with a wavelength that is visible to the eye

24 A path or strip

26 The star that is the central body of the solar system