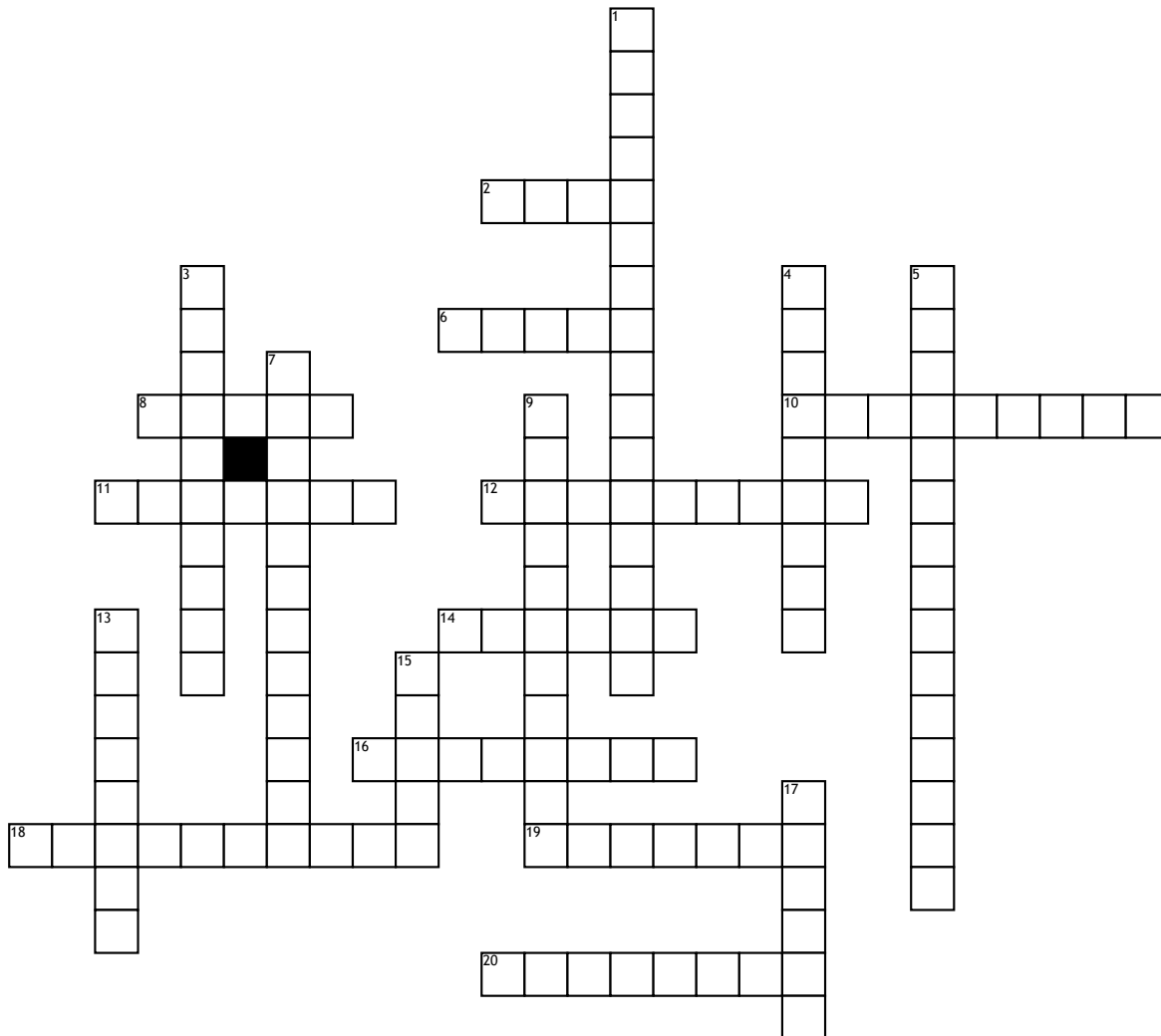


Sun



Across

2. A fixed luminous point in the night sky that is a large, remote incandescent body .
6. The fully shaded inner region of a shadow cast by an opaque object, especially the area on the earth or moon experiencing the total phase of an eclipse.
8. The natural agent that stimulates sight and makes things visible.
10. The emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles that cause ionization.
11. Any of two or more forms of a chemical element, having the same number of protons in the nucleus, or the same atomic number.
12. The continuous flow of charged particles from the sun that permeates the solar system. (Two words)
14. Means "putting together" to form something different.

16. Attraction or repulsion that arises between electrically charged particles because of their motion

18. An eruption of a flamelike tongue of relatively cool, high-density gas from the solar chromosphere into the corona. Solar

19. An imaginary line drawn around the earth equally distant from both poles, dividing the earth into northern and southern hemispheres and constituting the parallel of latitude 0°

20. The branch of astronomy that observes astronomical objects with neutrino detectors in special observatories

Down

1. a particular pattern of convection cells on the Sun's surface called HINT supergranules
3. The intrinsic brightness of a celestial object (as distinct from its apparent brightness diminished by distance)

4. The branch of science that deals with celestial objects, space, and the physical universe as a whole.

5. The study of vibrations in the material that makes up the Sun.

7. A reddish gaseous layer immediately above the photosphere of the sun or another star

9. The lowest layer of the Sun visible from Earth. This thin layer is the lowest level in the Sun's atmosphere. Energy finally escapes the Sun from the _____

13. Temporary phenomena on the Sun's photosphere that appear as spots darker than the surrounding areas.

15. magnetic energy that has built up in the solar atmosphere is suddenly released. (Bright)

17. A stable subatomic particle occurring in all atomic nuclei, with a positive electric charge