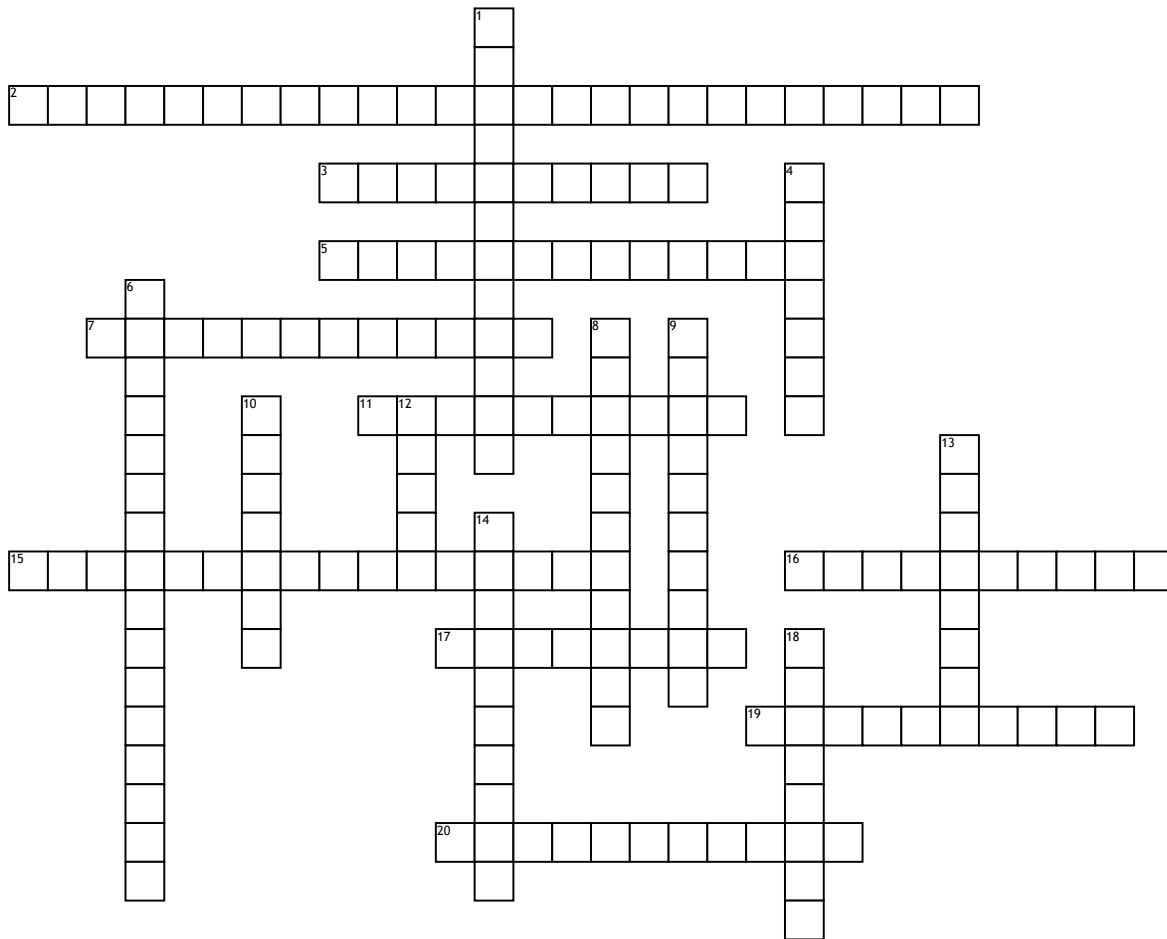


Gravity and the sun Unit3A



Across

2. states that a particle attracts every other particle in the universe using a force that is directly proportional to the product of their masses and inversely proportional to the square of the distance between them.
3. having or representing the earth as the center
5. origin of nuclear fusion
7. measured or considered as being seen from the center of the sun
11. a brief eruption of intense high-energy radiation from the sun's surface, associated with sunspots and causing electromagnetic disturbances on the earth, as with radio frequency communications and power line transmissions.
15. well-substantiated explanation of some aspect of the natural world, based on a body of facts that have been repeatedly confirmed through observation

16. the movement caused within a fluid by the tendency of hotter and therefore less dense material to rise, and colder, denser material to sink under the influence of gravity, which consequently results in transfer of heat.

17. the action of rotating around an axis or center

19. the fact or condition of standing out from something by physically projecting or being particularly noticeable.

20. A large cloud of gas and dust from which the sun, planets, and other solar system bodies formed

Down

1. a minute planet; a body that could or did come together with many others under gravitation to form a planet.

4. a spot or patch appearing from time to time on the sun's surface, appearing dark by contrast with its surroundings

6. the force, acting upon a body moving along a curved path, that is directed toward the center of curvature of the path and constrains

8. the sun together with all the planets and other bodies that revolve around it

9. the point in the orbit of a planet or comet at which it is nearest to the sun

10. the force of attraction by which terrestrial bodies tend to fall toward the center of the earth.

12. the curved path, usually elliptical, described by a planet, satellite, spaceship

13. the point in the orbit of a planet or a comet at which it is farthest from the sun. Expand

14. a forcible overthrow of a government or social order in favor of a new system

18. the apparent displacement of an observed object due to a change in the position of the observer