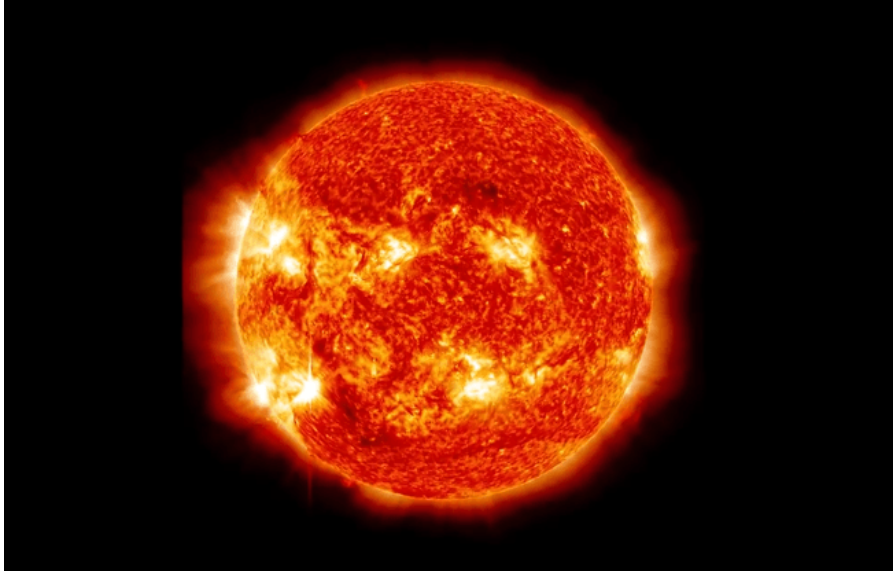
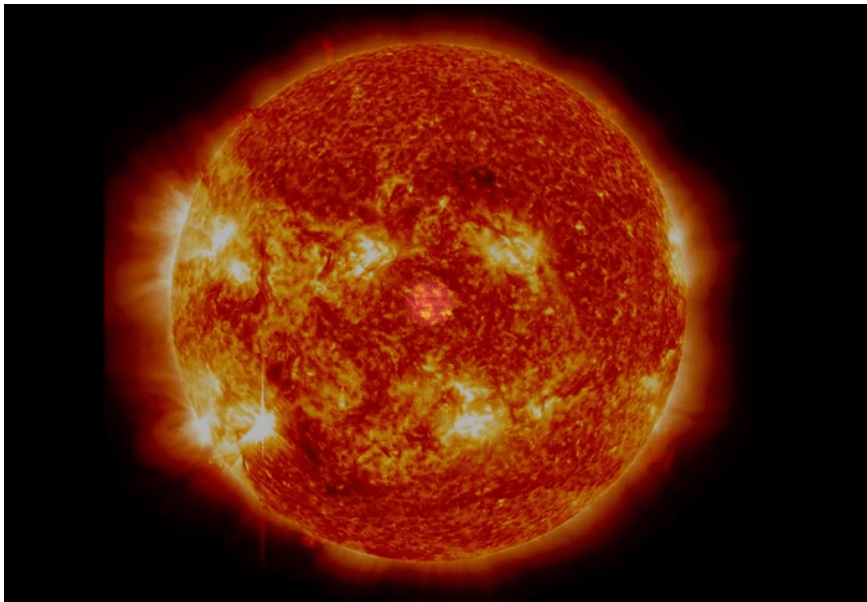


The Solar System

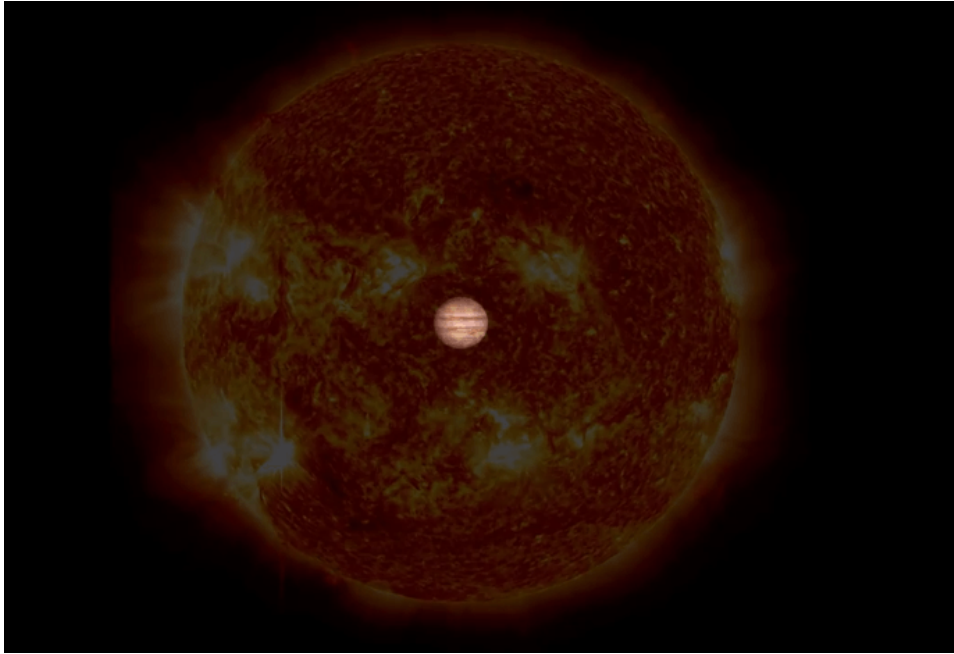
22 Questions



1. What can be thought of as "all the stuff held sway by the Sun's gravity"?
 - a) the Milky Way Galaxy
 - b) our local group
 - c) the Solar System
 - d) the inner planets



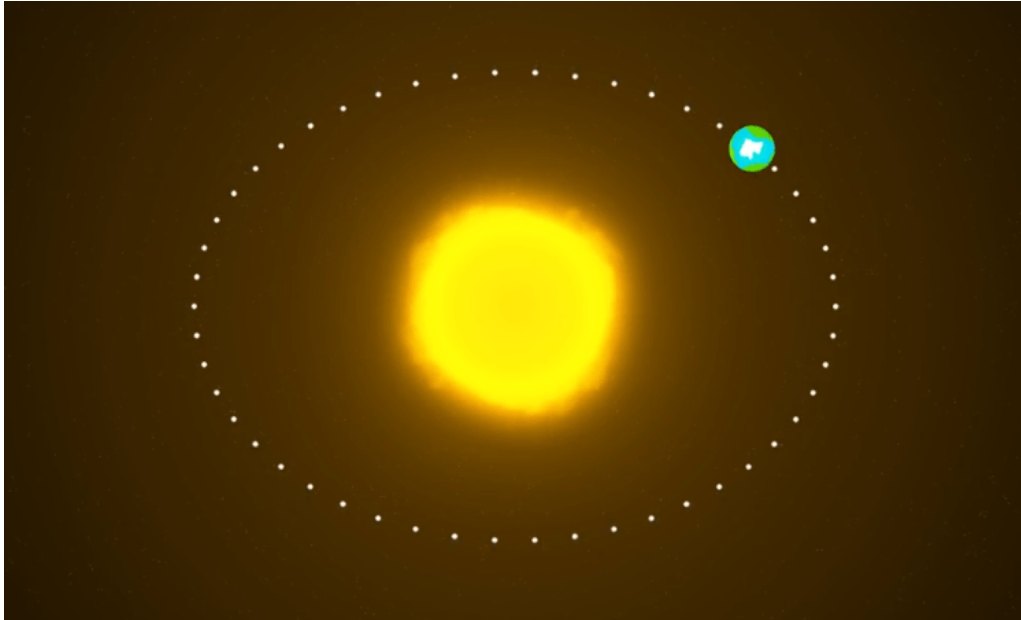
2. What percentage of the mass of the entire solar system is due to the Sun?
 - a) 27%
 - b) 54%
 - c) 77%
 - d) 98%



3. After the Sun, what is the next most massive object in the Solar System?
- a. a)the Earth
 - b. b)Jupiter
 - c. c)Saturn
 - d. d)Uranus



4. Which ancient culture knew the Earth was a sphere, and had even measured its size?
- a. a)ancient Greeks
 - b. b)ancient Romans
 - c. c)ancient Egyptians
 - d. d)ancient Mayans



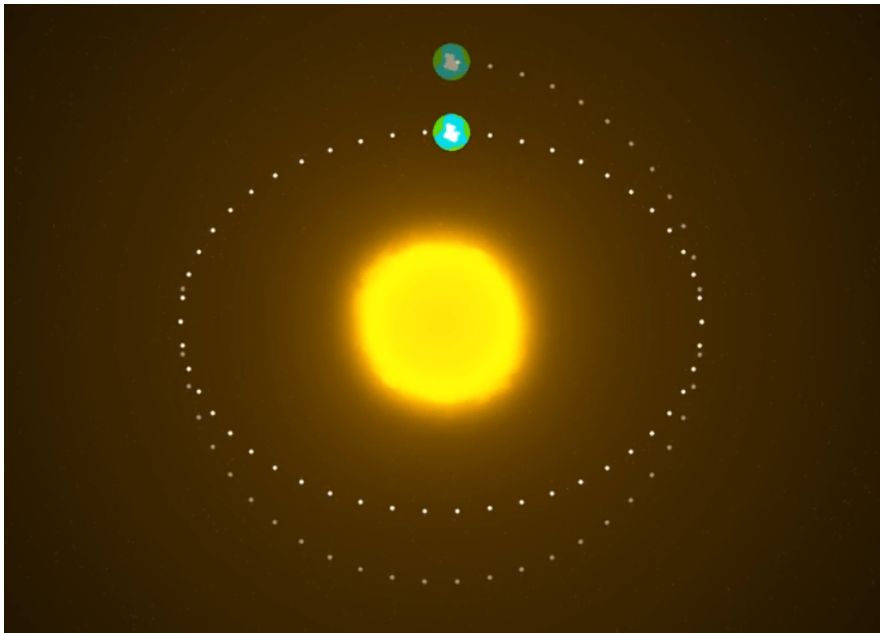
5. In 1543, who published their work proposing a Sun-centered model of the universe?
- a. a)Ptolemy
 - b. b)Copernicus
 - c. c)Kepler
 - d. d)Brahe



6. Who's astronomical observations were an essential contribution to Kepler's model?
- a. a)Claudius Ptolemy
 - b. b)Nicolaus Copernicus
 - c. c)Tycho Brahe
 - d. d)Isaac Newton



9. The latin term "sol" in Solar System refers to ____
- a. a)the Sun
 - b. b)the solitude of space
 - c. c)rotating planets
 - d. d)the spin of the planets

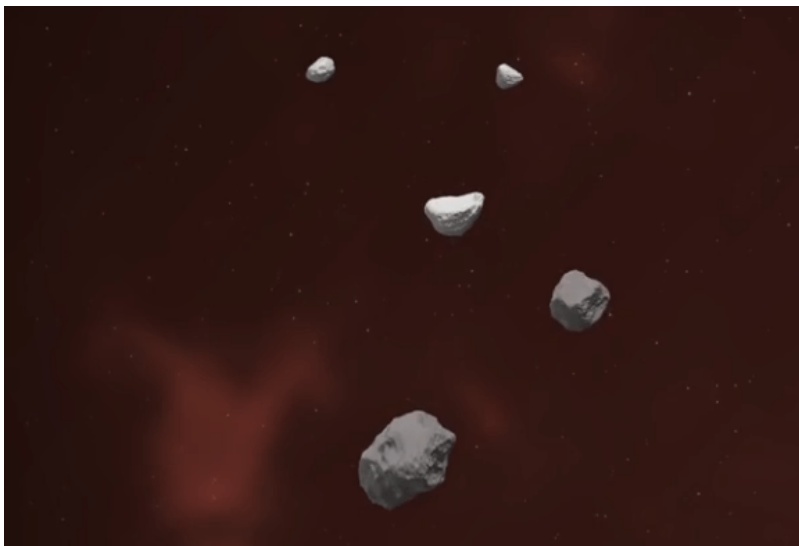


10. Who applied physics and calculus to determine how gravity worked?
- a. a)Isaac Newton
 - b. b)Nicolaus Copernicus
 - c. c)Tycho Brahe
 - d. d)Johannes Kepler



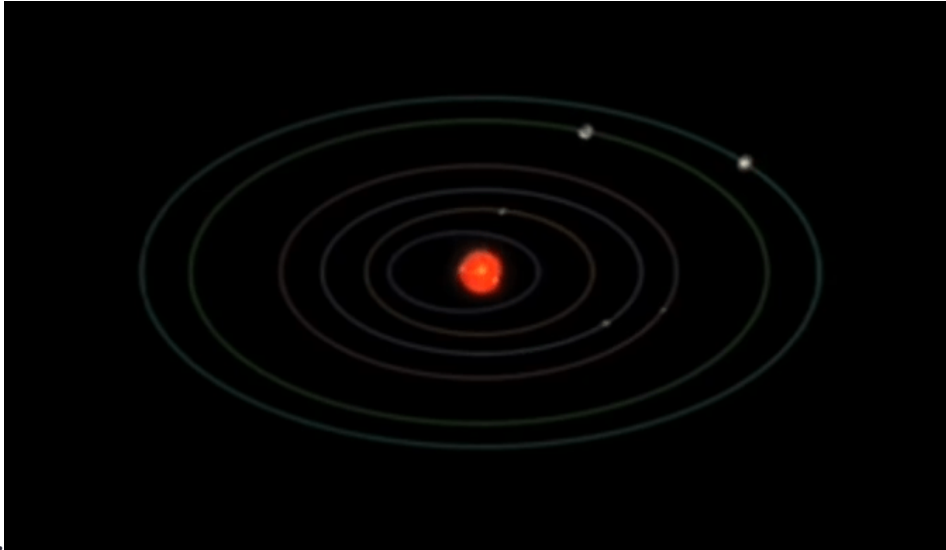
11. Which object is "11 times wider than the Earth and a thousand times its volume"?

- a. a) Saturn
- b. b) the Sun
- c. c) Jupiter
- d. d) Mars

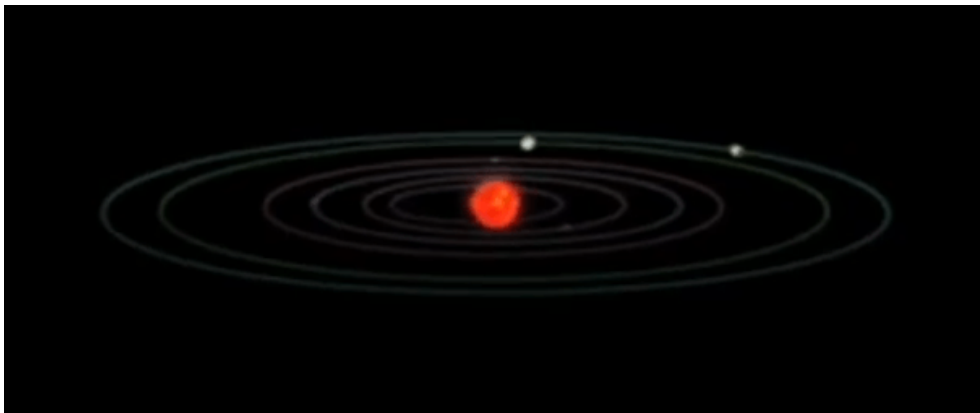


12. Which term has been difficult to define?

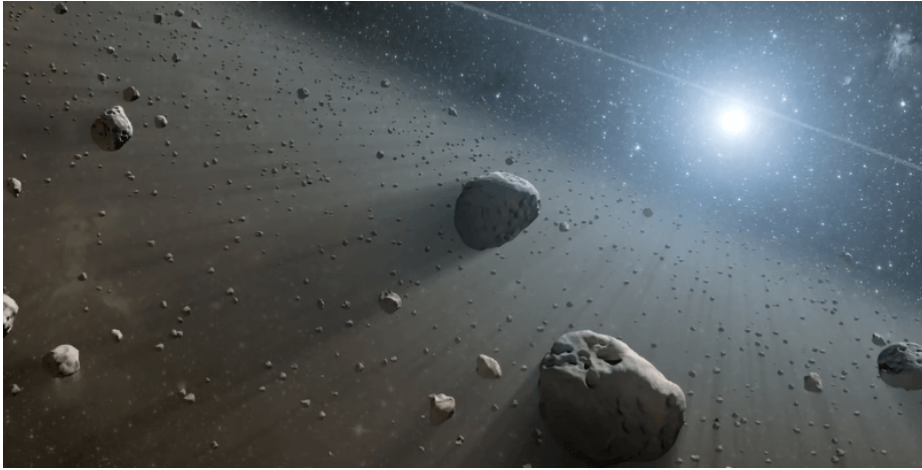
- a. a) asteroid
- b. b) star
- c. c) galaxy
- d. d) planet



13. All the orbits of the planets ____
- a. a) are circular
 - b. b) are scattered at various angles
 - c. c) are exactly aligned
 - d. d) lie in a relatively flat disk



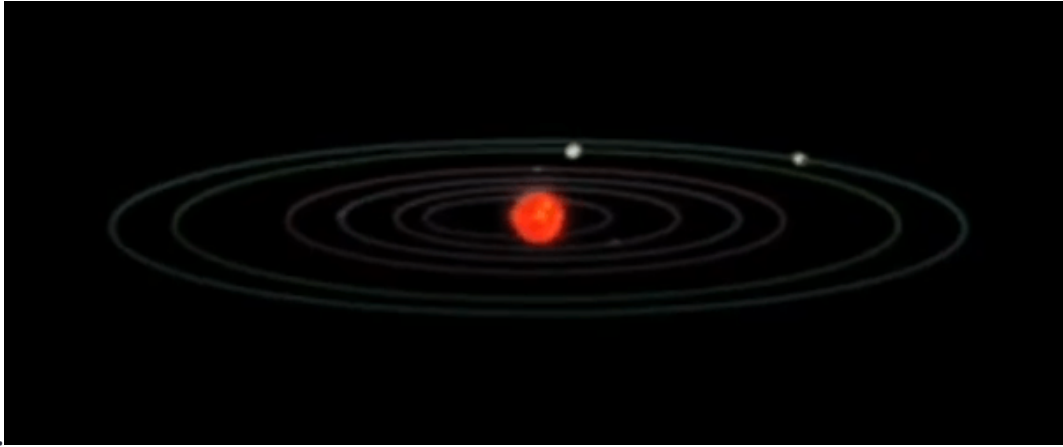
14. Which planets are commonly referred to as the "inner planets"?
- a. a) Mercury, Venus, Earth, and Mars
 - b. b) Mercury, Venus, Mars, and Jupiter
 - c. c) Earth, Mars, Uranus, and Neptune
 - d. d) Jupiter, Saturn, Uranus and Neptune



15. Where is the the asteroid belt located?
- a. a)between Earth and Mars
 - b. b)between Mars and Jupiter
 - c. c)between Jupiter and Saturn
 - d. d)out beyond the orbit of Neptune



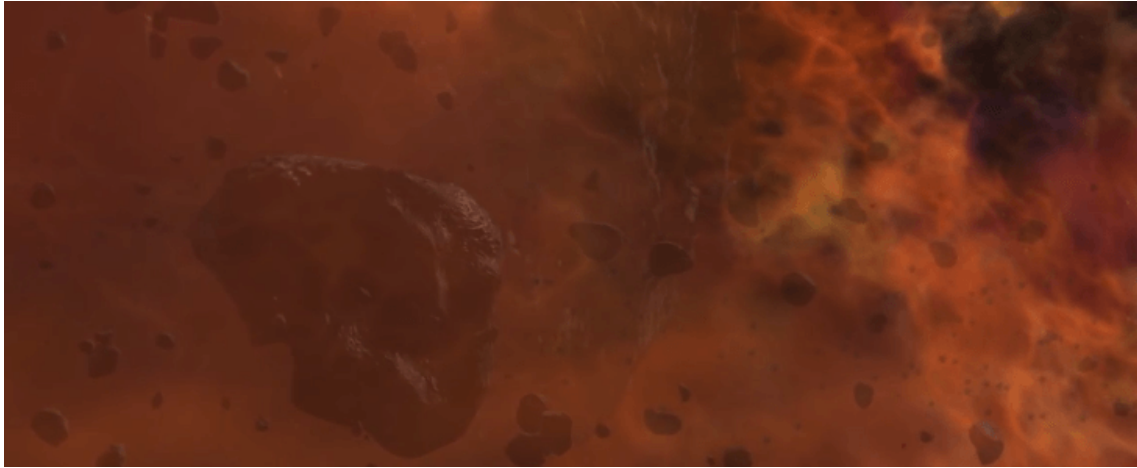
16. What are "Kuiper Belt Objects"?
- a. a)rocky ice balls beyond Neptune
 - b. b)planetoids in the main belt
 - c. c)asteroids scattered around the solar system
 - d. d)asteroids in between Mars and Jupiter



17. Where is the the Oort Cloud located?
- a. a)between Earth and Mars
 - b. b)between Mars and Jupiter
 - c. c)between Jupiter and Saturn
 - d. d)out beyond the orbit of Neptune

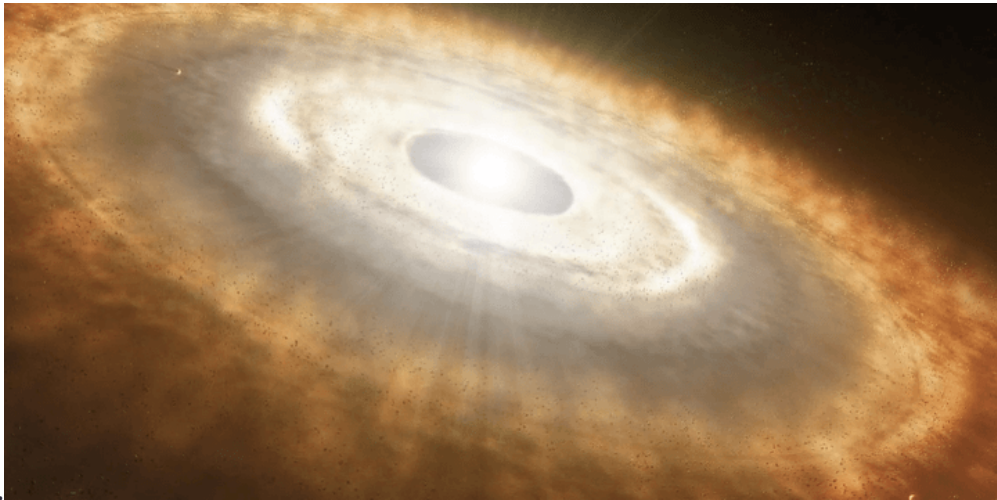


18. When did the Solar System form?
- a. a)4.6 thousand years ago
 - b. b)4.6 million years ago
 - c. c)4.6 billion years ago
 - d. d)4.6 trillion years ago



19. What is the name for the "wee baby planets" that formed from clumps of dust?

- a. a) planetesimals
- b. b) planetoids
- c. c) protoplanets
- d. d) exoplanets

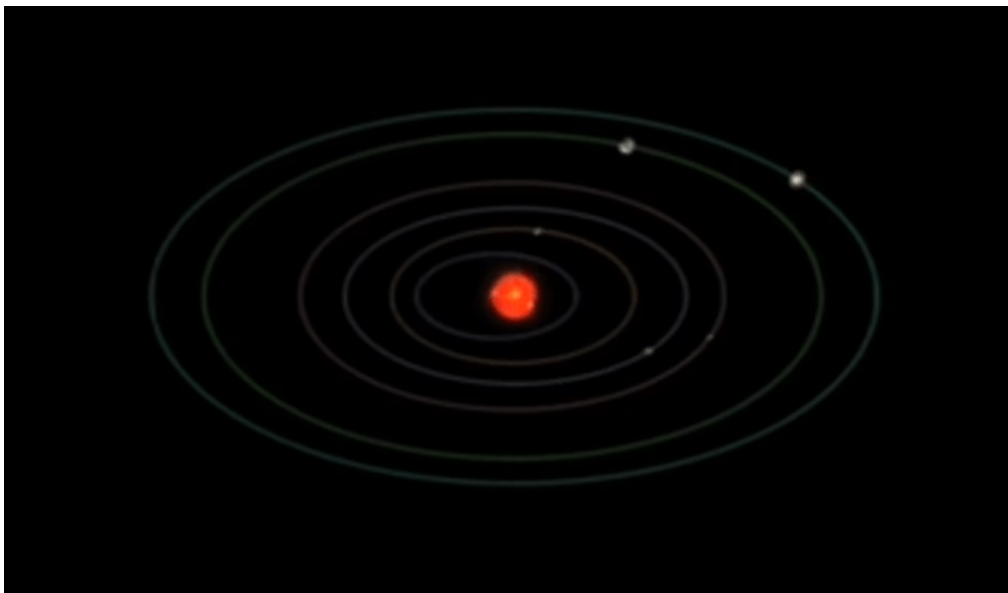


20. What is the term for a very young star that is still gathering mass?

- a. a) protostar
- b. b) nebula
- c. c) molecular cloud
- d. d) globule



21. What process in the Sun creates energy?
- a. a) hydrogen fusing into helium
 - b. b) nuclear fission of helium
 - c. c) nuclear fission of uranium
 - d. d) hydrogen combustion



22. Which planets are found closer to the Sun?
- a. a) rocky planets
 - b. b) gas giants
 - c. c) exoplanets
 - d. d) helium planets