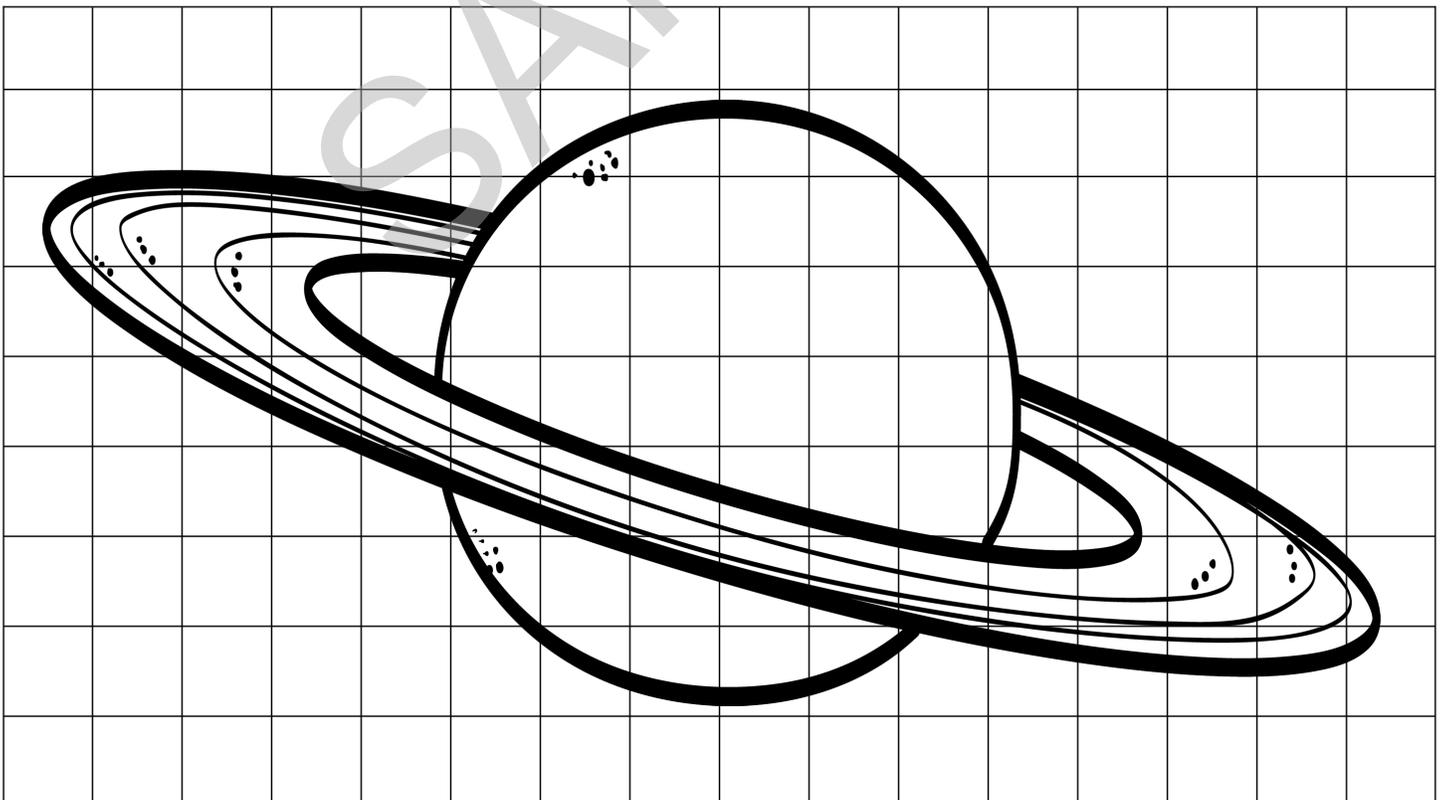


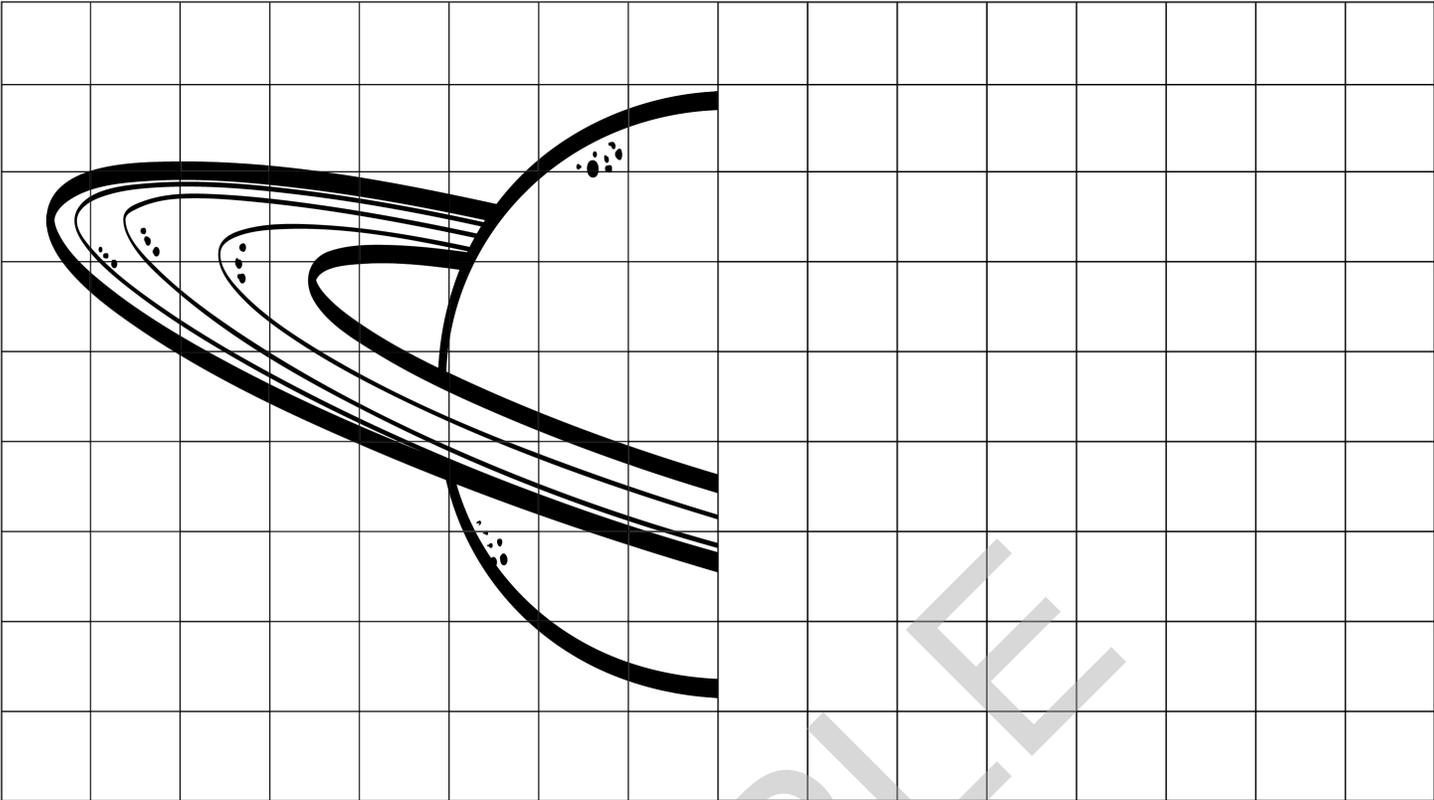
Rings of Saturn

Saturn is circled at its equator by seven main rings and thousands of smaller ringlets, thin bands that vary in brightness. Most of the major rings are separated by several thousand miles or kilometers, forming large gaps. The rings, made of large and small chunks of ice and moons, cover about 112,000 miles (180,000 kilometers) from their inner edge to outer edge. Gravity plays a huge role in keeping all the particles in the right places, and some of Saturn's moons have been given the nickname "shepherd moons" because of the way their gravity herds the particles in a ring into a certain shape or area.

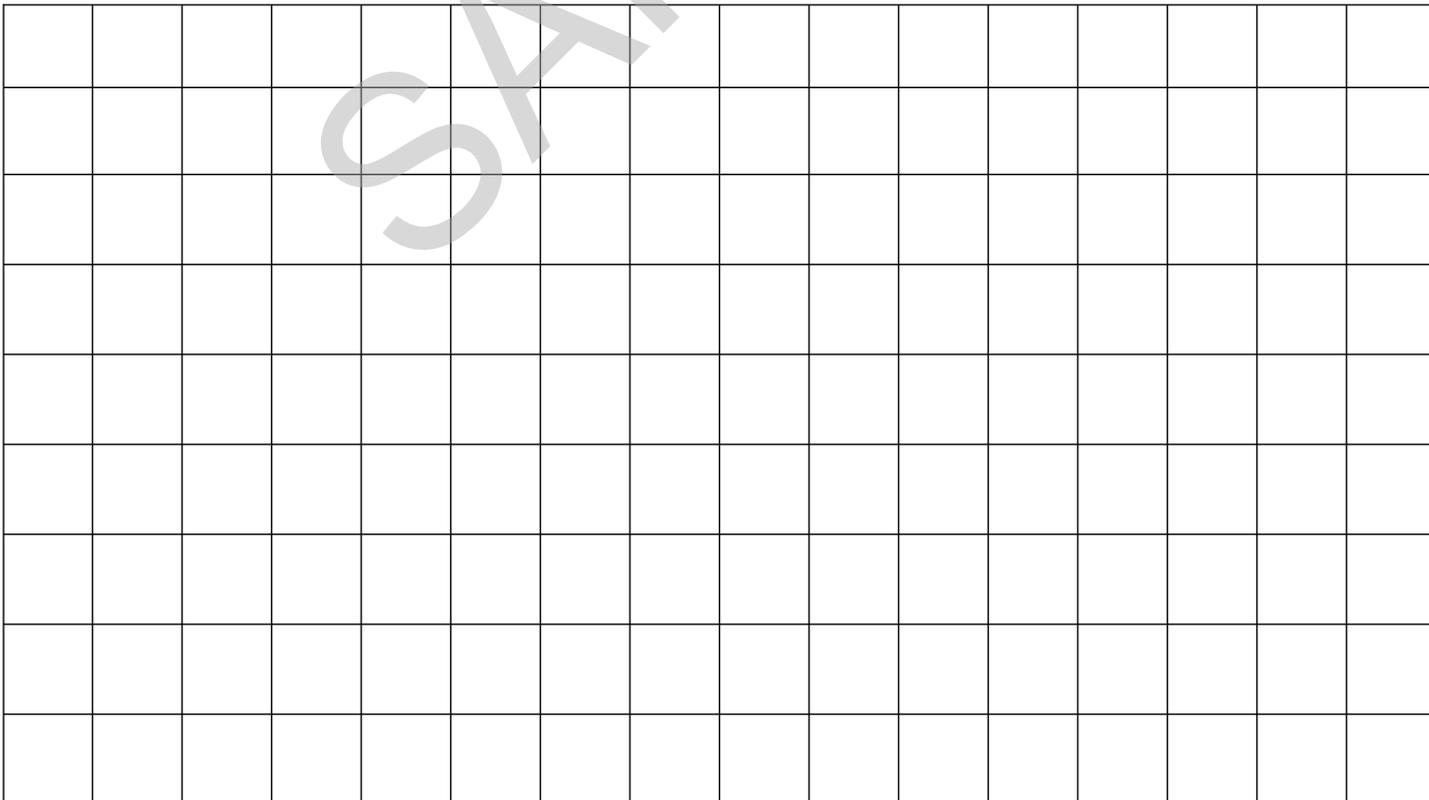
Follow these instructions to draw Saturn on the next page as shown below:

- In the first grid, draw the half of the picture that is missing.
- In the second grid, see if you can draw the entire picture.





SAMPLE

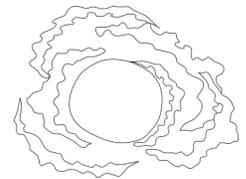
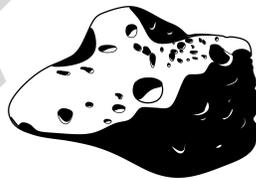
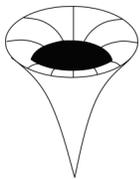


Questions

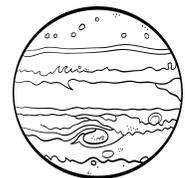
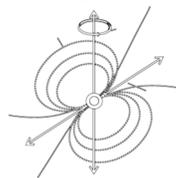
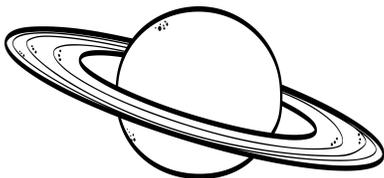
Match the word to the closest definition.

- | | |
|----------------------------------|--|
| ___1. Comet | a. cloud around partially destroyed star |
| ___2. Meteoroid | b. made of moons and chunks of ice |
| ___3. Pulsar | c. pieces of stone or metal orbiting the sun |
| ___4. Nebula | d. reddish oval first seen in 1664 |
| ___5. Asteroid | e. star collapsed to a singularity |
| ___6. Rings of Saturn | f. meteoroid entering Earth's atmosphere |
| ___7. Planetary Nebula | g. packed ice and dust orbiting the sun |
| ___8. Black hole | h. first discovered was named Ceres |
| ___9. Meteor | i. collection of dust and gasses in space |
| ___10. Great Red Spot of Jupiter | j. sends out electromagnetic energy |

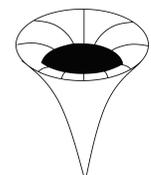
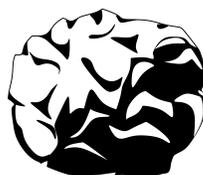
11. Which picture is an example of an asteroid? Circle it.



12. Which picture shows the rings of Saturn? Circle it.

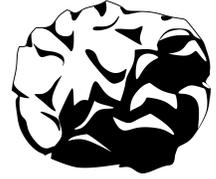
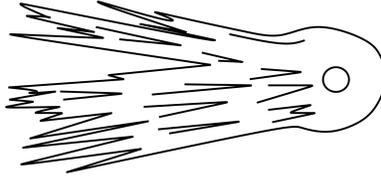
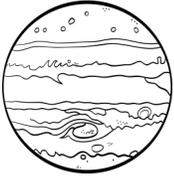


13. Which picture is an example of a meteoroid? Circle it.

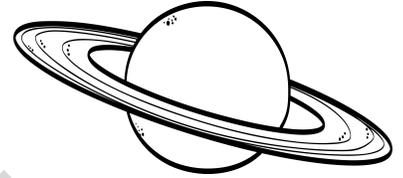
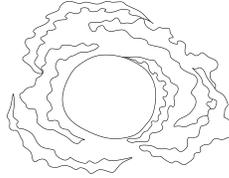


Questions (continued)

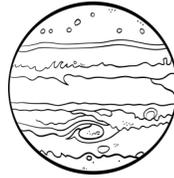
14. Which picture is an example of a comet? Circle it.



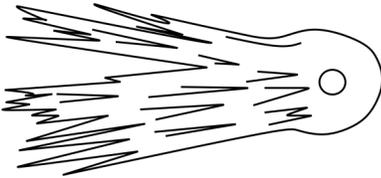
15. Which picture is an example of a nebula? Circle it.



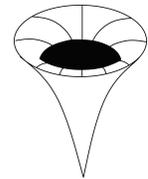
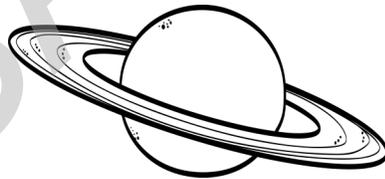
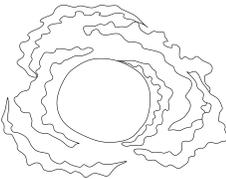
16. Which picture is an example of a meteor? Circle it.



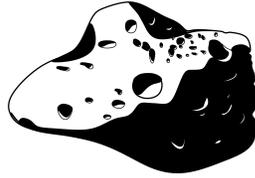
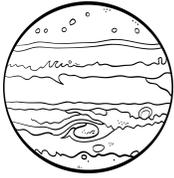
17. Which is an example of a pulsar? Circle it.



18. Which picture is an example of a black hole? Circle it.



19. Which picture shows the Great Red Spot of Jupiter? Circle it.



20. Which picture is an example of a planetary nebula? Circle it.

