

Asteroid belt movie

NAME _____ /35 PTS

<https://www.youtube.com/watch?v=vwfAb89aDwo>

1. Between what 2 planets is the asteroid belt located? (2pts) _____
2. What is the name of the first object to be observed in the asteroid belt? _____
3. By the year 2000, over _____ objects had been discovered.
4. When did the asteroid cause the dinosaur extinction? _____
5. $\frac{1}{2}$ of the total mass of the asteroid belt is found in _____ objects.
6. All of the asteroid belt's mass only comes out to 4% of the Earth's _____.
7. Many ships have flown through the asteroid belt because the chances of hitting one are 1 _____ to one.
8. There are earth companies hoping to one day _____ the rare metals on the asteroids.
9. Asteroids could _____ on planet Earth, or other planets due to gravity.
10. The size of the asteroids ranges from _____ particles to _____ km wide. (2pts)
11. Ceres is considered a _____ planet.

Pluto, Comets, Asteroids, and the Kuiper Belt movie

<https://www.youtube.com/watch?v=MD7Zt2cGXRc>

12. Pluto is smaller than our own moon, but does have several _____ of its own.
13. What is the name of the region 30 to 50 astronomical units from the sun? _____
14. To qualify as a planet, an object must _____ the region near its orbit of other debris.
15. Pluto is referred to as a _____ planet.
16. Much farther than the Kuiper belt is the _____ cloud, a spherical region tens of thousands of astronomical units from the sun.
17. A tran-neptunian object means anything beyond the orbit of _____.
18. What happens to the ice in these objects if they get pulled in towards the sun? _____
19. Most asteroids are too small to be crushed into _____ by their own gravity, so they have irregular shapes.
20. Why didn't the rocks in the asteroid belt become a planet? _____

21. If an object enters Earth's atmosphere, we call it a _____.
22. These bits of rock heat up from all the _____ due to colliding with particles in the air.
23. We get bombarded by _____ of them every minute and most meteorites are smaller than a _____.
24. If they are large enough and hit the ground, it's called a _____.
25. An asteroid 10 km across is responsible for the mass extinction of the _____.

COMET MINI VIDEO- listen for your teacher's explanation

26. What is the nucleus of a comet? _____
27. What is the coma? _____
28. What is the tail? _____
29. How is the gas/plasma/ion tail always pointed? _____
30. What color is the gas/plasma/ion tail? _____
31. How is the dust tail pointed/shaped? _____
32. What color is the dust tail? _____