

Asteroids, Meteors, and Comets

Web Quest

Instructions:

Answer the questions below creating a fact sheet each on Asteroids, Comets and Meteors. Include pictures and format your work however you would like. Just make sure you answer all of the questions. There are links at the bottom of each page that will help you to answer the questions. You do not have to visit all of them but they are the best places to start your research so ensure that you use them! Once you complete the questions you will make a mini-poster using your information.

Name: _____

Asteroids

Describe some characteristics of asteroids by answering the following questions:

1. From what are asteroids made?
2. What do asteroids look like?
3. From where do asteroids come?
4. Where is the asteroid belt located in our solar system?
5. Does the asteroid belt revolve around the sun?
6. How many asteroids are there?
7. Name and find images of five or more asteroids in the asteroid belt.
8. What is the largest asteroid? Are there any asteroids headed our way?

Asteroid Resources

1. http://coolcosmos.ipac.caltech.edu/cosmic_kids/AskKids/asteroids.shtml
2. [What is the largest asteroid?](#)
3. <http://www.kidsastronomy.com/asteroid.htm>
4. http://www.windows2universe.org/asteroids/asteroid_il.html (good images)
5. <http://solarsystem.nasa.gov/planets/index.cfm>
6. <http://www.seasky.org/solar-system/asteroids-meteoroids.html>

Comets

1. What do comets look like?
2. Name the four parts of a comet.
3. From what is each part of a comet made?
4. What is contained in the nucleus of a comet?
5. When is the tail of a comet visible?
6. Where do comets originate?
7. Do comets orbit in a circular or elliptical pattern?
8. Name and show images of some famous comets that travel through our solar system.
9. Are there any comets headed our way?

Comet Resources

1. <http://www.space.com/scienceastronomy/solarsystem/comets-ez.html>
2. http://coolcosmos.ipac.caltech.edu/cosmic_kids/AskKids/comets.shtml
3. http://starchild.gsfc.nasa.gov/docs/StarChild/solar_system_level1/comets.html
4. <http://www.kidsastronomy.com/comets.htm>
5. <http://www.windows2universe.org/comets/comets.html>
6. <http://www.nineplanets.org/comets.html>
7. <http://www.solarviews.com/eng/comet.htm>
8. <http://solarsystem.nasa.gov/planets/profile.cfm?Object=Comets>
9. <http://www.seasky.org/solar-system/comets.html>
10. <http://www.astronomycafe.net/qadir/ametcom.html>

Meteoroids, Meteors and Meteorites

1. What is a meteoroid?
2. Are all meteoroids the same size?
3. What is the largest meteoroid that has collided with this planet?
4. What is the difference between a meteor, meteoroid, and meteorite?
5. How many meteors enter the Earth's atmosphere every day?
6. What do impacts look like? Gather some pictures of craters.

Meteor Resources

1. http://starchild.gsfc.nasa.gov/docs/StarChild/solar_system_level1/meteoroids.html
2. <http://www.solarviews.com/eng/meteor.htm>
3. <http://www.nineplanets.org/meteorites.html>
4. [Meteors: Zoom Astronomy](#)
5. [How many meteors enter the Earth's atmosphere every day?](#)
6. <http://www.astronomycafe.net/gadir/ametcom.html>
7. [Crater pics](#)

The following sites discuss the differences between meteors, meteoroids, and meteorites:

1. <http://curious.astro.cornell.edu/comets.php>
2. http://hubblesite.org/reference_desk/faq/answer.php.id=22&cat=solarsystem
3. [Frequently Asked Questions](#)
4. http://www.windows2universe.org/our_solar_system/meteors/meteors.html