

meteoroid is a lump of rock or metal that is trapped by the earth's gravity and pulled down through Earth's atmosphere. (Smaller orbitals than comets)



A bright streak of light across the sky is a meteor.



<http://ca.geocities.com/spacephysicsis>  
/



If the object hits the earth before vaporizing it is a meteorite.





(HD) Russia Meteor Impact 2013 - Meteor Strike Fireball From Sp...

<http://www.youtube.com/watch?v=dpmXyJrs7iU>



## **Manicouagan crater**

The **Manicouagan Crater** is one of the oldest known impact craters and is the largest 'visible' impact crater on Earth, located in Québec.





Comet is a chunk of frozen matter (Ice & Dust) that travels in a very long orbit around the sun.

A galaxy is a huge collection of gas, dust, and hundreds of planets billions of stars and moons.



Comets' tails are caused when the comets get close to the Sun. The outer layers of ice turn into gases that are pushed away from the Sun by the solar winds. These gases glow brightly.

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# CLASSWORK

Unit 1 unit 1

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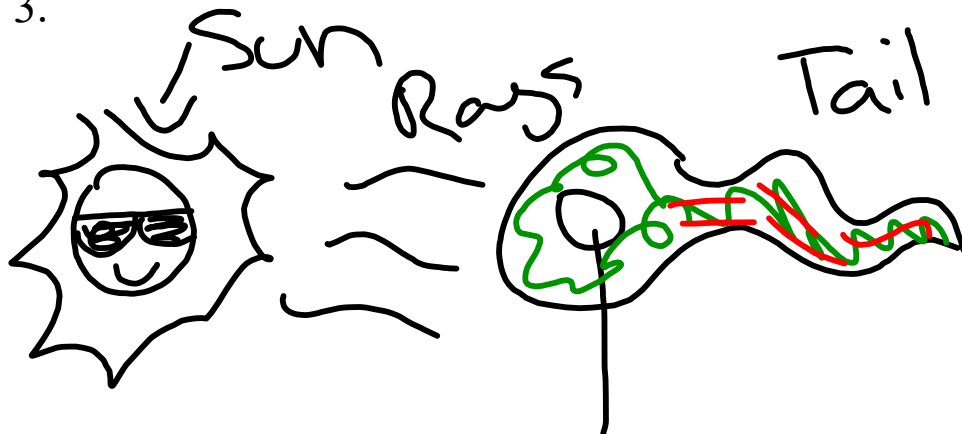
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Questions 2, 4, 12, 20

2.a) Meteoroid is a lump or rock or metal in space pulled towards earth ,

Meteorites are meteoroids that makes it to earth's surface .

b) Most meteors vaporize before they get to earth's surface.

3.



Comets' tails are caused when the comets get close to the Sun. The outer layers of ice turn into gases that are pushed away from the Sun by the solar winds. These gases glow brightly.

4) Most planet's orbits are nearly circular, where comet's orbits are more oval or flattened.

5)

$$\begin{array}{r} 1986 \\ + 76 \\ \hline 2062 \end{array}$$

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2. a) Neptune b) Jupiter

c) Mercury d) earth

e) pluto f) saturn

g) mars h) Venus

i) uranus

4.a) 3rd, inner planet, terrestrial planet ,Rocky

**Life - plants and animals**

**Oxygen**

**Water**

**Highest density**

12. A person would weigh more on the four gas planets ( jupiter, saturn, uranus, neptune) because the surface gravity is greater than Earth's.

20. a) Advances in technology

b) yes.



How Have Astronomers Been Able to Study the Surface of Venus.docx