

Science

Asteroids, comets and beyond the solar system

Book: Space

Pages 62-73

Students: Fill in the answers and return for assessment

Everything here is based on our Curriculum Visions Space book.

In this segment, we are going to learn more about asteroids, comets and what lies beyond the solar system.

You will need to go to pages 62-65 of the book.

Part 1

What are asteroids?

Where do they travel?

What are meteors?

What is a meteoroid?

Answer ...

Rocky bodies.

In the asteroid belt - a region between Mars and Jupiter.

Pieces of asteroids that burn up in the Earth's atmosphere.

A small asteroid.

Now turn to pages 66-69 of the book.

Part 2

Where do comets orbit?

What is a comet's tail made up of?

What causes a meteor shower?

Why does each comet only pass close to the Earth for a short time over many years?

Answer ...

Around the Sun beyond Pluto.

Dust and gas.

When the path of Earth crosses the trail of debris left behind as the comet travels through space.

Because their orbits are elongated, so it takes them a long time to return close enough to Earth to be detected.

Now turn to pages 70-73 of the book.

Part 3

What is a light year? How many light years away is the nearest star to Earth?
What is a galaxy? What is the name of our galaxy?
How long does it take light to cross from one side of our galaxy to the other?

Answer ...

The distance that light from the Sun travels in one year / 4.3 light years
A great swirling mass of billions of stars. / the Milky Way
100,000 light years

That is the end of this worksheet, and you can now turn to another one. Also, find out if your teacher has left you any other worksheets or special instructions on your school website.

If you are interested in this topic, continue to browse the book and watch our amazing videos. They start right on the book cover.

Or you may want to see related books. If so just go to the top of the screen, select science, and from the page that opens choose Space.