

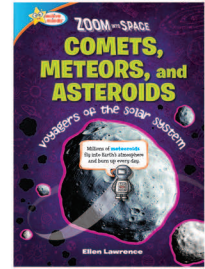


ZOOM INTO SPACE

COMETS, METEORS, and ASTEROIDS

QUIZ!

sequoia
kids media



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If you get stuck, all the information you need to answer the questions is in your *Zoom Into Space Comets, Meteors, and Asteroids* book.

1: What is a meteor?

- a) A star moving quickly across the sky
- b) A piece of space rock burning up in Earth's atmosphere
- c) A piece of the Sun heading for Earth

2: What is an asteroid?

- a) A giant snowball in space
- b) A miniature star
- c) A large rock that is orbiting the Sun

3: What are most asteroids shaped like?

- a) Bananas
- b) Starfish
- c) Lumpy potatoes

4: What is the asteroid belt?

- a) A ring of asteroids orbiting the Sun
- b) A ring of asteroids orbiting Earth
- c) An area in space where comets come from

5: Where is the asteroid belt?

- a) Between Mercury and the Sun
- b) Between Mars and Jupiter
- c) Between Uranus and Neptune

6: What is Vesta?

- a) A comet
- b) A dwarf planet
- c) An asteroid

7: Which of these space objects is the largest asteroid in the solar system?

- a) Vesta
- b) Pluto
- c) Ceres

8: Which of these statements is false?

- a) Ceres is both a dwarf planet and an asteroid.
- b) Ceres is almost as wide as Texas.
- c) Ceres is the same size as Earth.

9: What is a space object called when it lands on Earth?

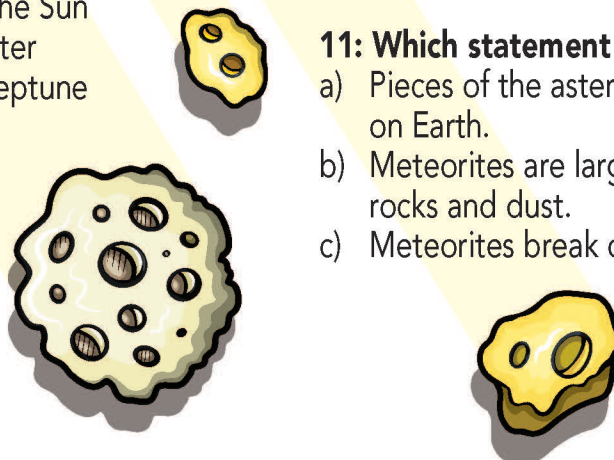
- a) A meteoroid
- b) A meteorite
- c) A meteor

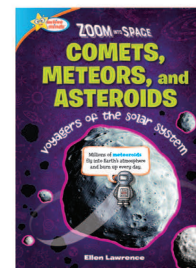
10: How big is the Hoba meteorite?

- a) As big as a car
- b) As wide as Texas
- c) As big as a basketball

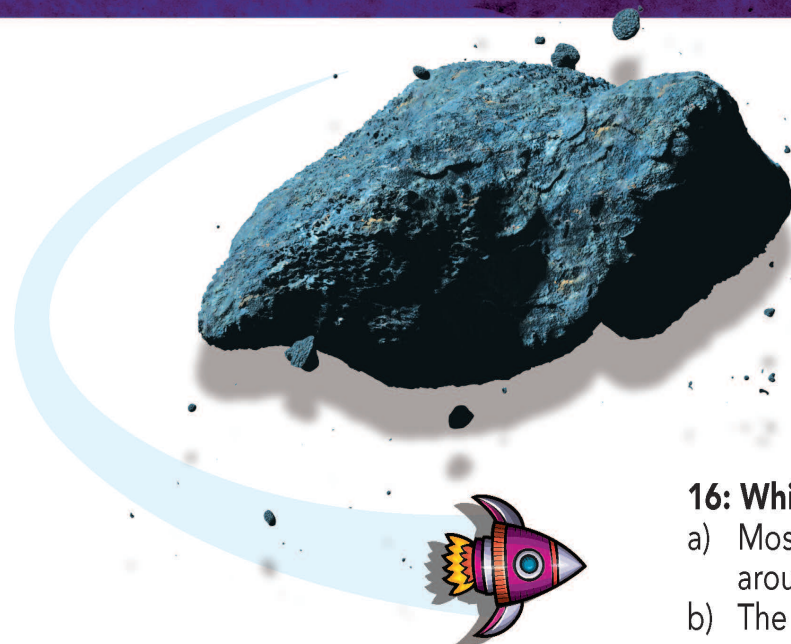
11: Which statement is true?

- a) Pieces of the asteroid Vesta have landed on Earth.
- b) Meteorites are large balls of ice mixed with rocks and dust.
- c) Meteorites break off of mountains on Earth.





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12: Which statement is false?

- a) Ceres and Vesta are both in the asteroid belt.
- b) Pluto is in the asteroid belt.
- c) The asteroid belt contains millions of asteroids.

13: What do scientists think may have killed the dinosaurs?

- a) The impact of a huge space object with Earth
- b) The fiery tail of a comet passing near Earth
- c) Fright, caused by seeing meteors in the sky

14: Which statement is true?

- a) Asteroids never leave the asteroid belt.
- b) Asteroids can be as small as cars or larger than mountains.
- c) Asteroids that leave the asteroid belt become dwarf planets.

15: What are comets?

- a) Shooting stars
- b) Large balls of ice mixed with rocks and dust
- c) The smallest dwarf planets

16: Which statement is false?

- a) Most comets travel in egg-shaped orbits around the Sun.
- b) The head of a comet can be the size of a small town.
- c) Most comets travel around the Sun in perfect circles.

17: What happens to a comet as it gets close to the Sun?

- a) It forms long tails made of gas and dust.
- b) It melts and disappears.
- c) It explodes.

18: How long is a comet's tail?

- a) Hundreds of miles long
- b) Thousands of miles long
- c) Millions of miles long

19: Which statement is true?

- a) Comets are colder the farther they get from the Sun.
- b) Comets are hotter the farther they get from the Sun.
- c) Comets become asteroids when they are far from the Sun.

20: What did the space probe Rosetta do?

- a) It landed on an asteroid.
- b) It chased a meteorite.
- c) It studied a comet.

2: c 4: a 6: c 8: c 10: a 12: b 14: b 16: c 18: c 20: c
1: b 3: c 5: b 7: c 9: b 11: a 13: a 15: b 17: a 19: a

ANSWERS