

## Meteoroid impact

STUDENT BOOK pp. 274, 300

1. Match each term with its definition.

Term	Definition
a) Meteor	1. Hole in the ground made by a celestial object falling to Earth
b) Meteorite	2. Synonym for <i>meteor</i>
c) Meteoroid impact	3. Celestial object that reaches Earth
d) Meteorite crater	4. Collision between Earth and a large celestial object
e) Shooting star	5. Object that burns up as it enters Earth's atmosphere

2. Which of the following phenomena cause rock fragments and dust that reach Earth?  
Check the correct answers.

- a) Disintegration of comets ☐
- b) Solar wind ☐
- c) Erosion of Earth ☐
- d) Asteroid collisions ☐
- e) Lunar wind ☐

3. Do meteoroid impacts happen often? Explain your answer.
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4. Where do meteorites usually fall? Check the correct answer or answers.

- a) In the desert ☐
- b) In the ocean ☐
- c) At the poles ☐
- d) At the equator ☐

5. Some times of the year are better than others for observing shooting stars.  
The phenomenon is known as a “shower of shooting stars.” What causes it?

- a) At these times, the Moon is closer to Earth. More lunar debris burns up in Earth's atmosphere. ☐
- b) At these times, Earth intersects the orbit of the comets and the debris trailing behind the comets. All this debris burns up at the same time. ☐
- c) At these times, the Sun is far from Earth. Since the sky is darker, it is easier to see shooting stars. ☐