Name	Class	Date
1 (411)	Ciass	

Chapter 23 Touring Our Solar System

## **Section 23.4 Minor Members of the Solar System**

(pages 660-664)

Vocabulary

Comas

a. coma

This section describes the characteristics of asteroids, comets, and meteoroids.

## Reading Strategy (page 660)

Definition

Comets

b. gas tail

when frozen gases vaporize.

**Building Vocabulary** As you read this section, write a definition for each vocabulary term in your own words and enter it in the table. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

	-			
ast	eroid			
		glowing head of a comet		
me	teor			
		meteoroid that reaches Earth's surface		
	teroids (pa			
1.		wing sentence true or false? Asteroids are small, rocky bodies		
2.	. • Most asteroids are found between the orbits of and Jupiter.			
Co	mets (pages	661–663)		
3.	together by	are pieces of rocky and metallic materials held frozen gases. Circle the correct answer.		

**4.** Circle the letter of the term for the glowing head of a comet formed

Meteoroids

c. dust tail

Name	 Class	Date

## Chapter 23 Touring Our Solar System

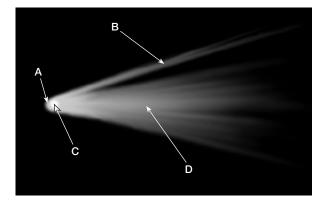
**5.** Select the appropriate letter in the figure that identifies each of the following parts of a comet.

\_\_\_\_ nucleus

\_\_\_\_ tail of ionized gases

\_\_\_\_ coma

tail of dust



- **6.** The two regions from which comets originate are the \_\_\_\_\_ and the Oort cloud.
- **7.** Is the following sentence true or false? The nucleus of Halley's comet is spherical. \_\_\_\_\_

## Meteoroids (page 663)

Match each description with its object.

	Description	Ob	ject	
	8. small, solid particle from space that reaches Earth's surface		meteor meteoroid	
	9. small, solid particle from space that burns up in Earth's atmosphere	c.	meteorite	
	10. small, solid particle that travels through space			
11.	. The three sources of most meteoroids are interplanetary debris that			
	was not swept up by planets, remains of comets that once traveled near E			
12.	A(n), or display of frequent meteor sightings, can result when Earth encounters a swarm of meteoroids.			
13.	Large craters on Earth such as Meteor Cra	ter i	n Arizona were formed	
	when very large hit Ea	rth's	surface.	
<b>14.</b>	Is the following sentence true or false? Me	eteoi	rites are now the only	

extraterrestrial materials scientists have to examine directly.