## **Lesson Outline**

**LESSON 1** 

## Earth Systems

1.	Scientists divide Earth into four other.	that inter	act with each			
2.	Surrounding the planet is an invisible layer of, which is Earth's outermost layer.					
3.	The liquid layer is made of Earth's	, son	ne of which			
	is and some or	f which is fresh.				
4.	Earth's largest system is the	material, wh	ich is made			
	up of a thin layer of	covering a large sp	phere of rock.			
5.	The	is Earth's system containing all the living things				
	on the planet.					
6.	The	has no clear boundaries because	it is found within			
	each of the other three systems of Earth.					
The	e Atmosphere					
	A mixture of gases forms a layer around Ea	arth called				
	the					
2.	The atmosphere is made up of 78%	, 219	6			
	, and 1%					
	<b>a.</b> Three trace gases—carbon dioxide,	_				
	<b>b.</b> The atmosphere contains small amounts of, such					
	dust particles.	<u> </u>				
3.	The atmosphere has different layers, which	vary in their				
٠.	•	•	·			
	<b>a.</b> The is the bottom layer of the atmosphere					
	<b>b.</b> The layer of the atmosphere above the tr	roposphere is				
	the					
	$\mathbf{c}.$ The upper layers of the atmosphere, in $\mathbf{c}$	order, include the				
	, the		, and the			
	, which is the last layer before outer space.					

B.

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## **Lesson Outline continued**

**C.** The Hydrosphere

1.	The	is the system co	ontaining all of Earth's water.		
2.	The natural locations w	here water is stored are call	led;		
	Earth's largest is the world ocean, which is salty				
	because it contains disse	olved			
3.	Most of Earth's	i	s not liquid, but instead frozen as		
		ice caps at the			
		and the	, where it can be		
	stored for thousands of	years.			
4.	Lakes and rivers hold l	less than 1% of Earth's	, but this		
	water is easily accessib	ole and so meets the needs of	of most living things on the planet.		
5.	About 20% of Earth's as		Earth's surface in cracks and pores		
D. The	e Geosphere				
1.	Theand rocks on land and b		t of Earth, which includes the soil		
2.	2. The geosphere is made of rock, soil, and				
		are naturally occur d definite chemical compos	rring, inorganic solids that have		
	-	ed by their physical propert			
		color, (the color of the mineral's powder),			
		(how easily the			
		(the way the mi			
		shape.	<i>2                                    </i>		
		is a naturally mes other materials such as	occurring solid composed of organic matter.		
	<b>d.</b> The three kinds of ro	ock are	rock,		
			rock.		
3.	Earth has three layers:	Γhe	is the thin outer layer		
	the	is the middle a	and largest layer; the core of Earth		
	is at the center and is m	ade mainly of			