Chapter 1.1: Earth as a System

Branches of Science

Earth Science		
Biology		·
Chemistry		
Physics		
–		
st ViewBranches of Earth Science		
n the past, Earth Science was viewed as havi	ng distinct	and separate branc
Geology		
• Examples),,		·
Astronomy		
– Examples),,		
Oceanography		
• Examples)		(salt)
Actor avalogy:		
1eteorology 		
• Examples)		
lay's viewEarth System Science		
Earth is more than		
Each of Earth Science is		
at is a System?		
A is a kind of	_; a part of the _	
hat can be		

Scientists often	describe the natural wo	orld by using models such as
	systems	
losed System		
Example) Sun T	·ea	
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The jar of tea de	oes not share	with its surroundings, only
nother Example	3	
Deep-Sea Subm	nersible	
•		
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-	its surroundings freely	exchange both and
Example) glass	of iced tea	exchange both and
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The system and Example) glass — ————————————————————————————————	of iced tea Closed? der Earth to be essentia ceived from the	Illy
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The system and Example) glass — ————————————————————————————————	c Closed? der Earth to be essentia ceived from the	illy and most is remains relatively constant