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CONSTRATO



Single panel images

OCEANS IN SPACE	1. Title		16. Sunset clouds	Spend B	31. Mars Global Surveyor		46. Mars evolution 2
	2. Blue marble east		17. Sunset beach	Ó	32. HST Mars 1	Card and	47. Mars evolution 3
	3. Blue marble west		18. Sunset shore		33. HST Mars 2		48. Mars evolution 4
Se.	4. Forests		19. Space habitats		34. HST Mars 3		49. Mars evolution 5
	5. City	WARMTH	20. Warmth graphic	21.0	35. Mitchel Montes	6	50. Martian meteorites - Mars
	6. Desert	WAYER	21. Water graphic		36. Mars Craters		51. Martian meteorites - space
	7. Surf	ORGANIC MATERIALS	22. Organic materials graphic	-01	37. Argyre Galle		52. Martian meteorites - Earth
	8. Plants	°.	23. Single cell organisms		38. Coprates Catena		53. ALH 84001 side view
	9. Whale		24. Multi-cell organisms		39. Olympus Mons		54. ALH 84001 end view
E.	10. Fish	୍ଟିତ୍ତି	25. Complex microbes	all as	40. Harmakhis Valles		55. ALH 84001 globules
	11. Coral	*****	26. Early invertebrates	No.	41. Candor Chasma		56. ALH 84001 closeup
-je	12. Jellyfish		27. Earth	S	42. Elysium		57. Jupiter
18.7	13. Tidal pool		28. Mercury		43. Ares Valles		58. Europa
	14. Shoreline		29. Venus		44. Early Mars		59. Galileo spacecraft
	15. Penguins		30. Mars		45. Mars		60. Galileo

evolution 1

Europa 1









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	[audio		
:00	House lights fade		1	
	STARS up	(opening music: 30 seconds)	2	
	1. Title		3	
:30	2. Blue marble east	The Earth! It floats in space, bright and	4	
		beautiful an oasis in the darkness	5	
		a lovely blue and white orb, set against a	6	
		sea of stars.	7	
			8	
:49	3. Blue marble west	The Earth's striking beauty comes from the	9	
		oceans that stretch across nearly three-	10	
		quarters of its surface. The seas affect	11	
		everything on the planet: climate, weather,	12	
		geological processes and life.	13	
			14	
1:09	STARS out	The Earth is home to all the life we know	15	
	4. Forests	about today. Life is everywhere from the forests to the cities to the deserts and the		
	6 Desert	oceans. Countless species of plants and animals inhabit the extremes of the global environment.	18	
			19	
			20	
	8. Plants		21	
1:31	9. Whale	All life forms on Earth owe their existence to	22	
	10. Fish	a watery beginning in an ancient ocean.	23	
	11. Coral		24	
	12. Jellyfish		25	





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		audio	1
1:38	13. Tidal pool	Nearly four billion years ago, the oceans	1
	14. Shoreline	gave birth to the earliest forms of life on our	2
	15. Penguins	planet. Only recently in the cosmic span of	3
	16. Sunset clouds	time has life spread from the undersea	4
	17. Sunset beach	world to the land.	5
	18. Sunset shore		6
		(music transition: 10 seconds)	7
			8
2:03	M1. Tropical lagoon	Humans stand on the shoreline where two	9
		worlds meet. Our ancestors may have come	10
		from the ocean, but we are creatures of the	11
		land. We can visit the ocean, swim in its	12
		lagoons, and ride across its surface	13
		knowing that the birthplace of our most	14
		ancient predecessors lies beneath those	15
		restless waves. We cannot live there without	16
		special habitats, but still the sea calls us	17
		to explore its depths.	18
			19
		(music transition: 9 seconds)	20
	STARS up		21
2:43	M2. Earth chord	We stand on the shore of another ocean	22
		the cosmic ocean looking out to the gulfs of	23
		space.	24
			25
			11





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		audio	·
2:53		Stars and galaxies populate the void,	1
		and beckon to us across impassable	2
		distances.	3
			4
3:01	19. Space habitats	Without special habitats, we cannot live in	5
		space either. Yet, from the ocean of space,	6
		the stars call to us, with the tantalizing	7
		promise of planets to explore.	8
			9
3:20		Before we can fully appreciate other worlds,	10
		other oceans, we must strive to explore and	11
		understand our own.	12
			13
		(music transition: 11 seconds)	14
	Solar system formation VIDEO		15
3:39		The Earth, the other planets of our Solar	16
		system, and the Sun which warms and lights	17
		them, were born in an ancient cloud of gas	18
		and dust. Such regions exist throughout the	19
		galaxy floating cold and dark, like cosmic	20
		storm clouds. They hardly look like stellar	21
		birthplaces.	22
			23
4:03		Yet, when conditions are right, a cloud can	24
		coalesce, and begin the process of star birth.	25