Name:	Date:	Block/Period:	
1.44	Design a Planet Simulation	) hem.l	
	p://astroventure.arc.nasa.gov/DAP/DAP itable to humans that is not exactly like planet.		
• Select your Star type and the 6	Click on the to learn how this simulation works. Adjust the volume so only you can hear it. Select your Star type and the 6 characteristics to accomplish your goal. For each of the 6 characteristics, record key facts next to the category heading, as well as the		
√Check out the "Star Type" circle following types of stars:  • Yellow Star-	e to learn more about the types of stars.	Record a fact about each of the	
<ul> <li>Red Giant-</li> </ul>			
• Blue Star-			
<ul> <li>Red Dwarf-</li> </ul>			
What kinds of star will your p	lanet orbit?		
	ur planet orbit its star? AU		
Name:	Date:	Block/Period:	
<u>htt</u>	Design a Planet Simulation p://astroventure.arc.nasa.gov/DAP/DAP	<u>P.html</u>	
Goal: Design a Planet that is Habitype and 6 characteristics of your	itable to humans that is not exactly like planet.	earth. You will choose your star	
• Select your Star type and the 6	how this simulation works. Adjust the vocation control of characteristics to accomplish your goates, record key facts next to the category	ıl.	
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following types of stars: • Yellow Star-			
<ul> <li>Red Giant-</li> </ul>			
• Blue Star-			
<ul> <li>Red Dwarf-</li> </ul>			
What kinds of star will your p	lanet orbit?		
1. Orbit: What distance, in AU, will you	ur planet orbit its star? AU		

2.	Planet Mass:		
	What is the mass of your planet compared to Earth?		
3.	Volcanoes: Carbon Dioxide in a Planet's atmosphere  Does your planet have active volcanoes? Yes, No		
4.	Plate Movement  Does your planet have active plate movement? Yes, No		
5.	Liquid Water  Does your planet start out with a supply of water? Yes, No		
6.	Producers Are there producers on your planet? Yes, No		
Select "Continue ➤" Draw a picture, or print out the picture of your planet  Select "Continue ➤" Were you able to design a planet that can be habitable? Yes, No Could things other than humans live on your planet?  Why was or wasn't it habitable?			
** 1	ly was of wash the habitable:		
Wi	th this information, what can you do differently to create a habitable planet?		
D			
Bu Or	ild one more planet: Try and alter the characteristics, or star type, to make a habitable planet:  bit- AU: Planet Mass- Volcanoes- Plate Movement- Liquid		
Wa	bit, AU; Planet Mass; Volcanoes; Plate Movement; Liquid ater; Producers Was your planet habitable? Why or why not?		
_			
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	Does your planet have active plate movement? Yes, No		
5.	Liquid Water  Deep your planet start out with a gunple of water? Yes		
6	Does your planet start out with a supply of water? Yes, No  Producers		
0.	Are there producers on your planet? Yes, No		
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