Power Surge Video Workshee	zt Name GXZwRo		_Per:	
1. What is Sir Richard Branson's per	sonal dilemma?			
2. How much of the U.S.'s electricity	is provided by coal?			
3. Where did coal originate?				
4. What is the wedge theory?				
5. How many technologies are availa	ble today capable of solving	3 1/7 of the problem?		
6. Name the 4 categories of technolo	gies capable of solving the	problem		
a. b.	С.	d.		
7. Name the Earth Challenge judge s	itting next to Branson:			
8. What is Lackner's idea?				
9. What % of the demand for Energy do fossil fuels feed?				
10. What is happening in In Salah, A	geria?			
11 How many tons of carbon does the	ne average family output pe	r vear in energy consump	tion?	
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12. Why don't we use more solar pov	ver?			
13. What is Secretary Chu's goal by 2	2035?			
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15. What makes biofuels such a viable option compared to others?

16. How much \$ does the National Archives save each year in energy costs since their retrofit?

17. How many years will it take to recover the costs of the upgrades at the National Archives?

18. If we replaced all 30 mpg cars with _____ mpg cars, that would be one wedge.

19. How many coal power plants would we have to replace with nuclear power plants to equal one wedge in the wedge game?

20. How many new nuclear power plants have been built in the U.S. since 1970?

21. How many new nuclear power plants are planned to be built in China over the next 30 years?

22. 1 Nuclear Power Plant = ______ wind turbines = ______ square miles of solar panels

23. Which "wedge(s)" and how many of each would you use?

Green: Efficiency IncreasesBlue: Cleaning the combustion process of coalRed: Harnessing the Sun's energy (wind, solar, etc.)Yellow: Nuclear Power

24. Do you believe that technology can save us from climate change? Are things as bad as they seem? Or are we far gone from effectively reducing our carbon emissions?

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