2022 - 2023 Energy Education Workshop - Pre/ Post Assessment - Climate

Your answers in this assessment are used to shape NEED curriculum and training. Please answer to the best of your ability. Completely fill in the circle next to your selected answer.

kWh of electricity? kWh of electricity? A 8 – 10 cents 1. Which sector of the economy consumes the most energy? C 15 – 17 cents			
Is this your first NEED workshop? (A) Yes (B) No (A) What is the national average cost of a resid kWh of electricity? (A) 8 - 10 cents (B) 12 - 14 cents (C) 15 - 17 cents (D) 18 20 cents	-/-		
 A Yes B No A 8 – 10 cents B 12 – 14 cents C 15 – 17 cents C 18 – 20 cents 	⊗ 0		
 A Yes B No A 8 – 10 cents B 12 – 14 cents C 15 – 17 cents C 18 – 20 cents 			
1. Which sector of the economy consumes the most energy? (A) 8 – 10 cents (B) 12 – 14 cents (C) 15 – 17 cents	6. What is the national average cost of a residential kWh of electricity?		
most energy? © 15 – 17 cents			
(a) transportation (b) 18 – 20 cents			
Unansportation Control of the Contro			
© residential/commercial (including transportation, industry, and electric	7. When considering total energy consumption (including transportation, industry, and electricity), which of the renewable energy sources provides the U.S. with the greatest amount of energy?		
2. Most of the energy consumed in the U.S. is A biomass			
stored in which form of energy? B hydropower			
(a) kinetic (c) wind			
thermalsolar			
© chemical © mechanical 8. When considering total energy consumptions of the constant of the			
3. In which form do all energy flows begin? which of the nonrenewable energy sources	(including transportation, industry, and electricity), which of the <u>non</u> renewable energy sources provides us with the greatest amount of energy?		
	ју :		
B chemical A petroleum			
© radiant ® natural gas			
nuclear			
nuclear 4. Which of the following is not a primary source of			
energy? 9. Nonrenewable sources of energy make up	o what		
A petroleum percentage of U.S. energy consumption?	, III.ac		
® natural gas A less than 60%			
© electricity B 60 – 70%			
all of the above70 – 80%			
© 80 – 90%			
5. Which energy source is used to generate the largest percentage of <u>electricity</u> in the U.S.? 10. What are the top five sources of energy u	sed in		
hydropower			
petroleum	าลรร		
© coal B petroleum, natural gas, coal, uranium, biomas			

0

natural gas

© coal, petroleum, uranium, hydropower, solar

© solar, coal, petroleum, geothermal, natural gas

11. What do coal, natural gas, nuclear, and some		17. Climate change focuses on an increase in the			
solar power plants have in common?		levels of which gas in our atmosphere?			
(A)	all utilize cooling towers	A	methane (CH ₄)		
B	all burn a fuel to drive the turbine generator	B C	carbon dioxide (CO ₂) F-gases (CFCs)		
© (D)	all emit CO ₂	(b)	more than one of these		
0	all use thermal energy to drive the turbine generator	0	more than one of those		
	generator		18. Which of the following energy sources produces		
12. Which country provides the largest portion of imported oil to the U.S.?		significant carbon dioxide emissions?			
(A)		A	uranium		
B	Egypt Saudi Arabia	В	petroleum		
©	Venezuela	© (b)	wind		
(b)	Canada	O	all of the above		
0	Canada	10 Sir	nce the industrial revolution, levels of carbon		
13. Which renewable energy source generates the		dioxide in the atmosphere have risen by			
largest percentage of <u>electricity</u> in the U.S.?		over%			
A	wind	A	100%		
В	solar	В	90%		
©	hydropower	©	75%		
(D)	biomass	D	45%		
14. Which of the following is not a greenhouse 20. Carbon moves from		rbon moves from the atmosphere into green			
gas?		plants through the process of:			
A	H ₂ O (water vapor)	A	dissolution		
B	CO ₂ (carbon dioxide)	В	degassing		
©	CH ₄ (methane)	©	respiration		
D	N ₂ (nitrogen)	D	photosynthesis		
how ef	nen considering most thermal power plants, ficient is the system, or, roughly how much will reach the consumer as electricity?				
A	one-third (1/3)				
B	one-fourth (1/4)				
©	one-half (1/2)				
D	three-fourths (3/4)				
16. <i>Op</i>	inion: I will take energy into consideration				
when I make my daily decisions.					

 \bigcirc

В

D

E

always

never

most of the time

some of the time