https://selldocx.com/products /test-bank-energy-its-use-and-the-emvigonment. Ade Hinrichent, fourth edition Multiple Choice Questions

MULTIPLE CHOICE QUESTION BANK

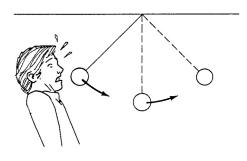
CHAPTER 1: INTRODUCTION

1. Which of the following statements is **true** (only one):

	a. The growth rate of energy consumption has kept pace with GNP growth.b. Oil use has expanded more than any other fuel since 1940.c. We reached the point last year where we imported no oil.d. Electricity use has actually fallen since 1975.								
	Answer: b								
2.	Which of the following is a non-renewable resource? a. uranium b. water c. wind d. biomass e. radiant solar								
	Answer: a								
3.	Today, the U.S. imports about what percentage of the oil it uses? a. 10% b. 25% c. 40% d. 60% e. 80%								
	Answer: d								
1.	1980's was a. a smaller population growth b. higher oil prices c. increased nuclear power costs d. increased domestic oil discoveries								
	Answer: b								
5.	The most significant aspect of world consumption of energy over the last 40 years has been the a. growth of nuclear power b. expanding use of oil c. increased use of coal d. emphasis on energy conservation e. increase in our fossil fuel reserves								
	Answer: b								
5.	If you started with \$100 in the bank and you had \$200 after letting it sit there for 5 years, what woul be the annual interest rate you received?								
	a. 2% b. 5% c. 10% d. 14% e. 22%								
	Answer: d								

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7.	Continued use of the fuels most relied upon in developing countries will eventually lead to a. depletion of soil nutrients b. severe thermal pollution of water c. increased oil prices d. depletion of coal reserves in those countries						
	Answer: a						
8.		_ units by the y		ors is 7% per yea d. 8000	e. 20,000		
	Answer: d						
9.	The Hubbert curve for an energy resource displays what quantity on the y-axis? a. time b. total production c. yearly production d. amount of fuel left						
	Answer: c						
	A net force of 3	30 newtons is ap	MECHANICS plied to a block of the plied to a block of	of mass 10 kg. T	he force that must be applied to a e. 30 N		
	Answer: c						
11.	If a constant no a. change	on—zero force is b. stop	s applied to an ob		will certainly e. equal acceleration		
	Answer: a						
12.	Which of the following is a unit of energy: a. watt b. ft—lb/sec c. newton/sec. d. horsepower e. joule						
	Answer: e						

13. Our nosecracker moved back and forth as shown. The kinetic energy will be greatest at point:



b. B c. C a .A

Answer: b

14. For a fossil fueled electrical generating plant, 10,000 Btu of chemical energy into the plant wi in about how many Btu's of waste heat dumped into the environment:								
	a. 0	b. 1000	c. 4000	d. 6000	e. 10,000 Btu's			
	Answer: d							
15. If a net force of 30 newtons is applied to a cart of mass 3 kg at rest, the velocity of the of 5 meters will be m/s.								
	a. 5	b. 10	c. 12	d. 25	e. 30			
	Answer: b							
16. The cost of running a set of eight 100 watt light bulbs for 6 hours, with the cost of electricity a kWh, is approximately:								
		b. 24¢	c. 43¢	d. 54¢	e. 72¢			
	Answer: c							
17. A 100 lb sack of potatoes falls from an airplane. As the velocity of fall increases, the air resistar also increases. When air resistance equals 100 lb, the acceleration of the sack will be m/se								
	a. 0	b. 16	c. 32	d. 9.8	e. 24			
	Answer: a							