Quizizz	NAME :
Kinetic Energy 20 Questions	CLASS:
	DATE :
20 Questions	

- 1. The faster an object moves, the _____ kinetic energy it has.
 □ a) more □ b) less
 □ c) none of the above □ d) all of the above
- A cheetah can run briefly with a speed of 31.0 m/s. Suppose a cheetah with a mass of 47.0 kg runs at this speed. What is the cheetah's kinetic energy?
- □ a) 1457 Joules
 □ b) 22,584 Joules

 □ c) 15 Joules
 □ d) 45,167 Joules
- 3. What would have the greatest kinetic energy?
 □ a) A car driving down a hill.
 □ b) A person running down a hill.
 □ c) A ball rolling down a hill.
- 4. The statement that "the energy within a system remains constant and cannot be created or destroyed, only transformed" best sums up ______.
 □ a) Something Mr. Lance likes to say. □ b) Life
 □ c) Law of Conservation of Energy □ d) The scientific method

☐ e) Newton's Third Law

5.	Which is the best example that something has kinetic energy?				
	a) a. a car parked on a steep hill	$\ \square$ b) b. a tennis ball rolling across the court			
	c) c. a picture hanging on the wall	☐ d) d. a piece of coal before it's burned			
6.	What is energy?				
	 a) something that picks up things, like a magnet. 	☐ b) Motion of an object			
	c) ability to do work	☐ d) magic rays of sunshine that come dow when you're feeling blue.			
7.	What is kinetic energy?				
	a) energy of work	☐ b) energy of motion			
	c) energy of gravity	☐ d) energy of power			
8.	8. The SI unit in which kinetic energy is measured is				
	a) Newton	☐ b) Kilogram			
	c) Joules	☐ d) Metres per second			
9.	Calculate the kinetic energy of a moving 4 k travelling at a velocity of 3 m/s.	kg object			
	a) 18 J	□ b) 36 J			
	c) 12 J	□ d) 6J			
10. How much kinetic energy does a moving 6 kg object have if it moves with a velocity of 3 m/s?					
	a) 27 J	□ b) 18 J			
	c) 9 J	□ d) 2 J			

11. What is the kinetic energy of a 4kg shotput to velocity of 13m/s	thrown with a		
□ a) 676 J	□ b) 52 J		
□ c) 17J	□ d) 338 J		
12. What is the kinetic energy of a ball with a m rolling at 10m/s	ass of 5kg		
□ a) 50 J	□ b) 500 J		
□ c) 250 J	☐ d) 25 J		
13. A 60 kg Ewok is travelling at a constant spee What is its kinetic energy in KJ?	ed of 7 m/s.		
☐ a) 1.47 KJ	☐ b) 210 KJ		
□ c) 147 KJ	☐ d) 1470 KJ		
14. What is the kinetic energy of a 1500 gram of a velocity of 100 m/s	bject moving at		
□ a) 112.5 J	☐ b) 7,500,000 J		
□ c) 75 J	☐ d) 7,500,000 J		
	□ d) 7,300 j		
15. What is the kinetic energy of a 25,000g obje velocity of 2.5 m/s	ct moving at a		
☐ a) 78.125 J	□ b) 31250 J		
□ c) 781.25 J	☐ d) 78,125 J		
16. How much kinetic energy does a person of	mass 50kg		
running at 3m/s have? Provide your answer in KJ.			
☐ a) 225 KJ	☐ b) 0.225 KJ		
□ c) 75 KJ	☐ d) 0.075 KJ		

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17. What is the kinetic energy of a 30,000 g objvelocity of 4 m/s. Provide you answer in KJ	ect moving at a
☐ a) 240,000 KJ	☐ b) 240 KJ
☐ c) 2400 KJ	☐ d) 0.24 KJ
18. Can energy be destroyed?	
a) no	☐ b) yes
19. Can energy be changed?	
☐ a) yes	□ b) no
20. Energy can not be created or destroyed, on from one form to another.	lly converted
☐ a) true	☐ b) false

Answer Key

a
 b
 a

6. c 7. b 8. c 9. a 11. d12. c13. a

17. d18. a19. a

16. b

4. c5. b

10. a

14. d15. a

20. a