TIPLE CHOICE. Choose the one alternative that best completes the statement or answers the questi	on.
1) Brake pads and linings that use synthetic material such as aramid fibers instead of steel are	1)
usually referred to as	
A) NAO	
B) NAS	
C) Ceramic	
D) Any of the above	
2) It takes 50 pounds of force to move a 100 pound block of wood across the floor. The coefficient of friction is	2)
A) 1.5	
B) 2.0	
C) 0.5	
D) 1.0	
3) Which of the following is NOT a form of energy used in an automobile?	3)
A) Mechanical	·
B) Chemical	
C) Coolant	
D) Electrical	
4) Maximum deceleration rates for a typical passenger car or light truck is	4)
A) 1 to 3 ft/sec	· —
B) 5 to 10 ft/sec	
C) 16 to 32 ft/sec ²	
D) 200 to 250 ft/ sec^2	
5) The process of braking is the conversion of kinetic energy into heat energy through friction.	5)
A) True	·
B) False	
2,2400	
6) Why is copper being reduced in brake friction materials?	6)
A) Because it is a health concern when it becomes airborne	
B) It can affect life in rivers and streams	
C) To help reduce the weight of the vehicle	
D) To help reduce the cost of the brake linings/pads	
7) The static friction coefficient is always higher than the kinetic friction coefficient.	7)
7) The same fredom coefficients anways ingher than the knieur fredom coefficient.	′ /

8) Work is the transfer of energy from one physical system to another.

8) _____

A) True B) False

A) True B) False

9) What type of binder is used in all brake friction materials?	9)
A) Rubber scrap	
B) Carbon	
C) Phenolic resin	
D) Ceramic powders	
10) Which Greek letter is used to represent the coefficient of friction?	10)
A) Mu (μ)	
B) Omega (Ω)	
C) Delta (Δ)	
D) $Pi(\pi)$	

Answer Key

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- 1) D
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- 2) C
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- 3) C
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- 4) C
 - Page Ref: 67
- 5) A
- Page Ref: 63
- 6) B
- Page Ref: 70
- 7) A
 - Page Ref: 65
- 8) A
 - Page Ref: 63
- 9) C
 - Page Ref: 66
- 10) A
 - Page Ref: 65