Friction, Form: A

Name: _					
Date:					
Period:					
Primary 1					
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Section 1. Multiple Choice

- 1. What are the two factors that affect the friction force between two surfaces?
 - (a) mass and weight
 - (b) type of surface and how hard the surfaces push together
 - (c) mass and distance
 - (d) type of surface and amount of gravity
- 2. What is one way you could reduce the friction between two surfaces?
 - (a) put oil on the surfaces
 - (b) put glue on the surfaces
 - (c) allow one surface to rust
 - (d) make one of the surfaces rougher.
- 3. What kind of friction occurs when objects are not moving?
 - (a) Static friction
 - (b) Fluid friction
 - (c) Sliding friction
 - (d) Rolling friction
- 4. Gymnasts often use chalk on their hands. This is to -
 - (a) decrease friction
 - (b) increase friction
 - (c) increase gravity
 - (d) decrease gravity
- 5. Friction always acts -
 - (a) opposite any motion
 - (b) opposite the tendency to move
 - (c) Both A and B
 - (d) none of the above
- 6. Which of the following would be the most slippery surface?
 - (a) Teflon $\mu = 0.04$
 - (b) Ice $\mu = 0.05$
 - (c) Bananna Peel $\mu = 0.066$
 - (d) Rubber $\mu = 1.02$

7.		our are thinking about cooking an egg for breakfast. Which pan should you choose to use the least mount of oil, yet still not have the egg stick?						
	(a)	Well seasoned cast iron - $\mu = 0.15$						
	(b)	Teflon - $\mu = 0.04$						
	(c)	Aluminum - $\mu = 0.3$						
	(d)	Ceramic (like Copper Chef, etc.) $\mu=0.17$						
Sect	tion 2.	Free Response						
8.	List 2 s	situations in which friction is bad . Explain why it is bad in each situation.						
	(a)							
	(b)							
9.	List 2 s	situations in which friction is good . Explain why it is bad in each situation.						
	(a)							
	(b)							
	(b)							

Answer Key for Exam A

Section 1. Multiple Choice

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Section 2. Free Response

8.	List 2 situations in which friction is bad . Explain why it is bad in each situation.
	(a)
	(b)
9.	List 2 situations in which friction is good . Explain why it is bad in each situation.
	(a)
	(b)