Forces and Friction Practice Worksheet

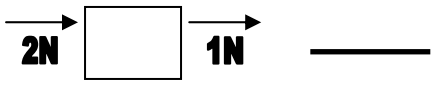
Name_____Date_____Period____

Please show your work for Q's 1 and 2

1. Calculate your speed in m/s if you traveled 400m in 20s.

2. Calculate your speed in m/s if you traveled 500m in 10s.

Find the resulting force on the box and write it on the line provided.

3. 

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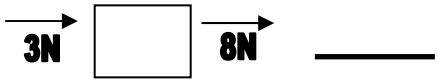
4. 

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5. 

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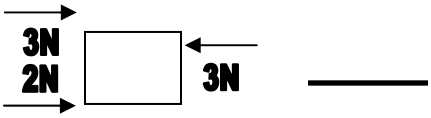
6. 

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Answer the following questions about Newton's Laws of Motion

7. Which of Newton's Laws of Motion would explain why a football sits on the ground without moving until you put a force (kick) on it?

8. Circle the item below that would have the most inertia according to Newton's Second Law of Motion.

9. What does Newton's 3rd Law of Motion say will happen if you exerted the force on the object shown below?

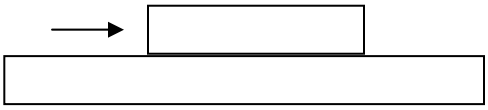
(FLIP TO THE BACK)

Use your notes on friction to answer the following questions

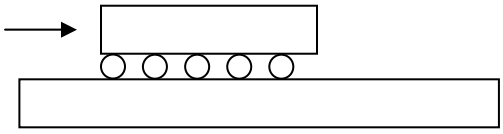
10. Circle the surface below that would cause the most friction if you ran your hand over it?

11. Assuming they are sliding on the same surface, which object below would cause the most friction?

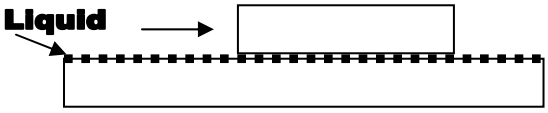
12. Which type of friction is being shown? _____



13. Which type of friction is being shown? _____



14. Which type of friction is being shown? _____



15. Which type of friction is being shown? _____

16. List two ways you can DECREASE friction.

17. Why would you want to decrease friction?

18. List one way you can INCREASE friction.

19. Why would you want to increase friction?

Mar. 9, 10