1. Name the following:

i) A force that tries to slow things down when two things rub together.

ii) A force that tries to slow things that are moving through air  
  
iii) The unit of force   
  
tv) The force of attraction between tow objects. The Earth has a large force which pull things towards it  
  
v) if things can attract towards and repel from each other than and they can attract things made of iron?

1. Which is the Best answer  
     
     
   A. The forces shown are **PUSHING / PULLING** forces  
   B. The forces shown are **WORKING TOGETHER / OPPOSITE FORCES**  
   C. The Forces are **EQUAL / UNEQUAL**  
   D. The Forces are **BALANCED /UNBALANCED** with each other  
   E. The resultant force is **1000N RIGHT / 1000N LEFT / ZERO**  
   F. There **IS / IS NO** motion
2. 

A. The forces shown are **PUSHING / PULLING** forces  
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E. The resultant force is **100N RIGHT / 100N LEFT / ZERO**  
F. There **IS / IS NO** motion

4. Multiple Choice

i) If an object starts to accelerate, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
a) a balanced force is acting on it  
b) gravity is acting on it  
c)velocity is acting on it  
d) an unbalanced force is acting on it  
  
ii) When forces are balanced, the total force \_\_\_\_\_\_\_\_\_\_\_\_  
  
a) is greater than the sum of the forces  
b) is zero  
c) is negative  
d) is equal to the largest force  
  
iii) A force is which one of these?  
  
a) a push  
b) a push or pull  
c) a pull  
d) none of these

iv) Force is measured in which units?  
  
a) kilograms  
b) Newtons  
c) degrees  
d) metres per second squared

3. Give two examples of pushing force and pulling force:  
  
Pushing 1)   
 2)  
  
Pulling 1)  
 2)

4. Write whether high or low amount of friction is wanted

a) Jack skiing  
b) Jill climbing  
c) Samir playing soccer on a wet field  
d) Car breaking  
e) Bike race

5. Name the forces:  
  
i) the force which pulls you down  
ii) this force helps you hold things  
iii) this force rubs things away  
iv) this force moves metals closer  
v) this force made your hair stand on the ends

6. Decide whether each picture/statement below indicates MORE or LESS friction



7. Write below which are contact or non-contact forces:



|  |  |
| --- | --- |
| **CONTACT** | **NON CONTACT** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

8.

