



Name _____ Class _____ Date _____

1 A train engine is trying to go uphill, but its wheels are slipping. What could the engine crew put on the rails to reduce the slipping?

- A water; this would reduce the friction
- B ice; this would prevent the wheels from sliding downhill
- C wax; the rails would be smoother for easier movement
- D sand; this would increase the friction

2 In the picture below, the sled is going downhill. If the sled rider has not been pushed and he is not pulling himself, gravity is the only force making him go down the hill. True or false?



- A true
- B false

3 In the picture below, the sled is going downhill. What forces are working against the boy going downhill?

4 When a horse jumps up, the force lifting it is from the _____.



PREVIEW

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7 _____ of satellite?

- A a thrown paper airplane
- B a thrown baseball
- C a boat sitting on the water
- D a dart moving toward a dartboard

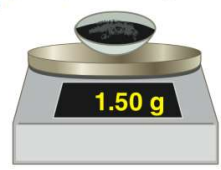
_____ could be increased by _____.

- A increasing the weight of the sledge hammer
- B decreasing the length of the sledge hammer handle
- C reducing the size of his swing
- D decreasing the weight of the hammer

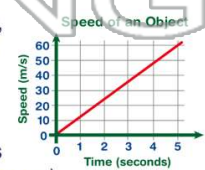


9 **Weight** is the amount of matter in an object and **mass** is a measurement of the force of gravity on an object. True or false?

- A true
- B false



10 Using the graph below, determine which of the following statements is correct.



- A the object's speed is constant (doesn't change)
- B the object is slowing down
- C the object is accelerating
- D the object is gaining mass



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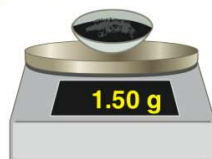
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