

Session: P131C-F10_09 28 2010

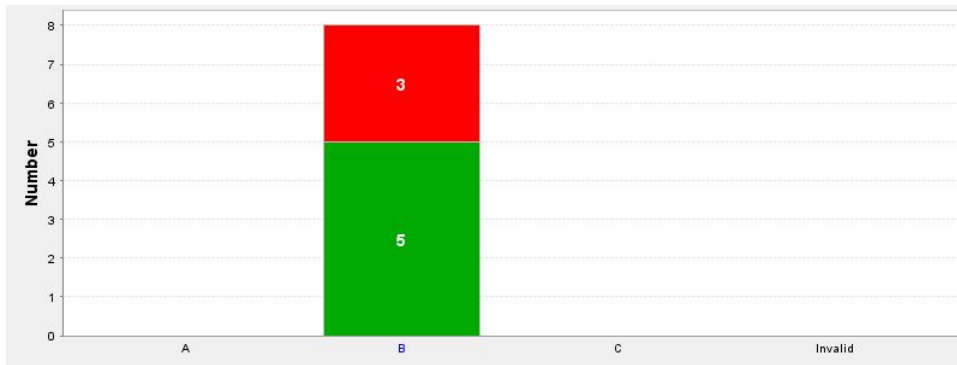
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Lesson: Chapter 9 - Indicating Direction

Question: 1

Correct Answer: B

Q: In which of the following situations is the object's velocity opposite the object's acceleration?	A: A car speeding up
	B: A car slowing down
	C: Such a situation is impossible



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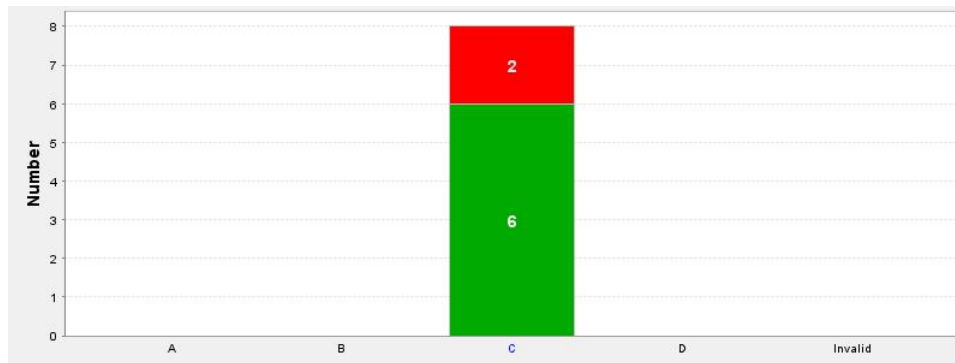
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Question: 2

Correct Answer: C

<p>Q: An object is in free fall. What is the object's acceleration?</p>	A: Zero
	B: 9.8 m/s ² upward
	C: 9.8 m/s ² downward
	D: Can't be determined without more information.



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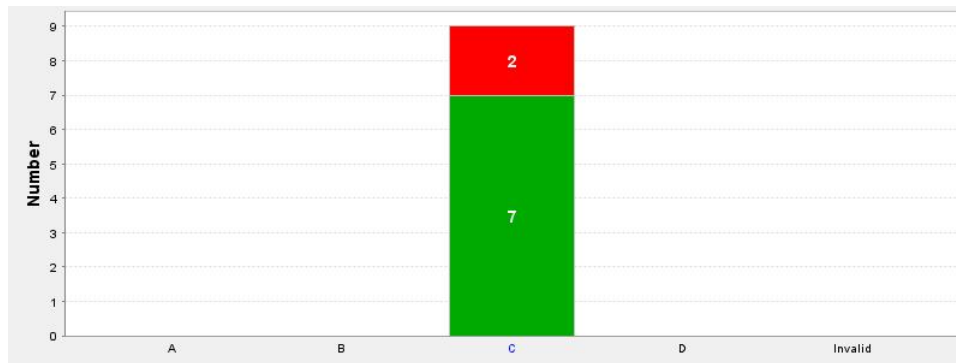
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Question: 3

Correct Answer: C

<p>Q: I throw an object upward. While it is moving upward and after I let go, what is the object's acceleration?</p>	A: Zero
	B: 9.8 m/s ² upward
	C: 9.8 m/s ² downward
	D: Can't be determined without more information.



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Lesson: Chapter 9 - Indicating Direction**Question:** 4**Correct Answer:**

C



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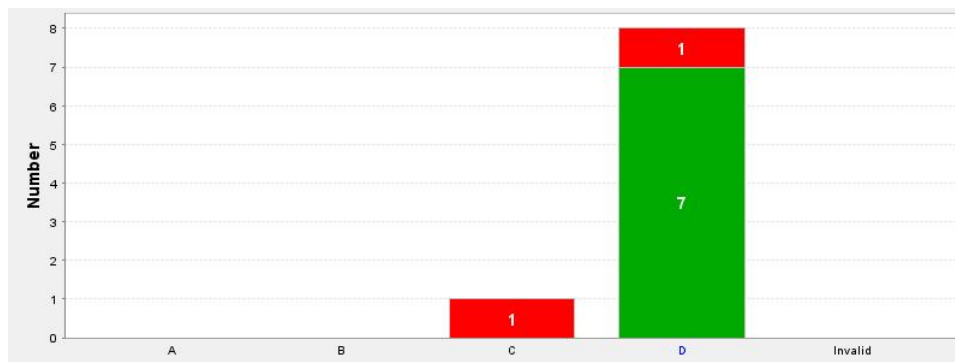
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Question: 5

Correct Answer: D

<p>Q: I throw an object upward. While it is moving upward and after I let go, what is the object's acceleration?</p>	A: Zero
	B: + 9.8 m/s ²
	C: - 9.8 m/s ²
	D: Can't be determined without more information.



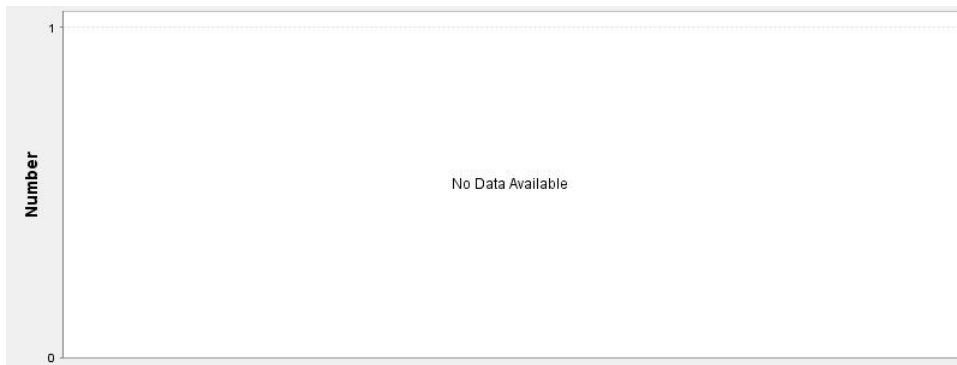
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Question: 6

Correct Answer: C



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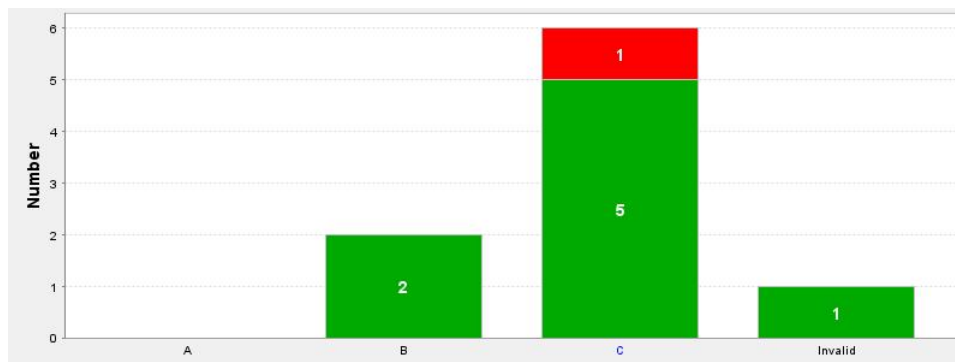
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Question: 7

Correct Answer: C

<p>Q: I throw a ball up into the air. After I let go, the ball goes up and then comes down. During the time when I am not touching the ball, the net force exerted on the ball</p>	<p>A: is zero.</p>
	<p>B: changes direction.</p>
	<p>C: remains the same.</p>



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C



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Lesson: Chapter 9 - Indicating Direction

Question: 9

Correct Answer: A

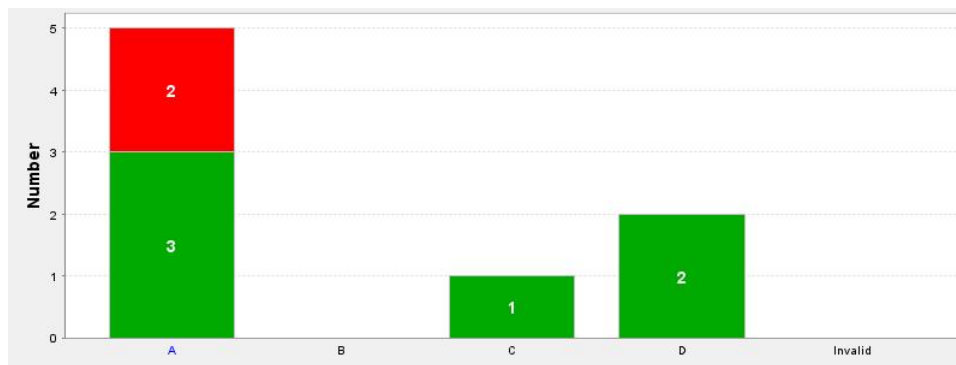
Q: A 500-kg elevator is moving upward at a constant speed. What is the net force exerted on the elevator?

A: Zero

B: 500 kg

C: 9.8 N

D: 4900 N



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Question: 10

Correct Answer: D

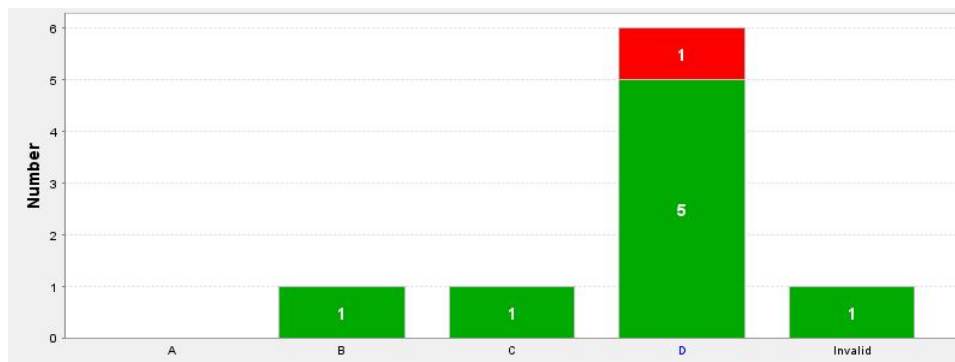
Q: A 500-kg elevator is moving upward at a constant speed. What is the force exerted on the elevator by the cable pullin upward?

A: Zero

B: 500 kg

C: 9.8 N

D: 4900 N



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Question: 11

Correct Answer: C

Q: A 500-kg elevator is moving upward and slowing down at 1 m/s^2 . What is the force exerted on the elevator by the cable pullin upward?

A: Zero

B: 500 N

C: 4400 N

D: 4900 N

E: 5400 N

