

**10th Science Ohio Graduation Test  
Physical Sciences Standard**

**Benchmark A**

Question 35	Spring 2005		A
Question 12	9 <sup>th</sup> Practice	<p align="center"><b>Scoring Guidelines for Question 12</b></p> <p>Score point    Description</p> <p>2 points        The student explains in terms of protons and electrons what will happen if an atom loses an electron and indicates how this affects charge.</p> <p>1 point        The student explains in terms of protons and electrons what will happen if an atom loses an electron.</p> <p align="center">OR</p> <p>                    The student indicates how losing an electron will affect the charge.</p> <p>0 points        The student response demonstrates no understanding of the task or concept. The response may provide an incorrect solution and supporting information may be totally irrelevant to the task. The student may repeat information from the passage or prompt or may have written "I don't know."</p>	
Question 23	9 <sup>th</sup> Practice		C

**Benchmark B**

Question 27	Spring 2005		C
Question 26	9 <sup>th</sup> Practice		C

**Benchmark C**

Question 28	Spring 2005		A
Question 37	9 <sup>th</sup> Practice		A

**Benchmark D**

Question 28	9 <sup>th</sup> Practice		A
Question 5	Spring 2005		D
Question 6	Spring 2005	<p align="center"><b>Scoring Guidelines for Item 6:</b></p> <p>Score point    Description</p> <p>2 points        The response correctly predicts the effect that friction would have on the acceleration of the box and explains the cause of this effect.</p> <p>1 point        The response correctly predicts the effect that friction would have on the acceleration of the box.</p> <p align="center">OR</p> <p>                    The response indicates that friction would oppose the force of gravity but does not explain the cause of this effect.</p> <p>0 points        The response demonstrates no understanding of the task. The response may provide incorrect information or be irrelevant to the task. The response may repeat information from the passage or prompt, or state "I don't know."</p>	
Question 21	Spring 2005		D

**Benchmark E**

Question 2	Spring 2005		D
Question 4	Spring 2005		B
Question 25	Spring 2005		A

**Benchmark F**

Question 4	9 <sup>th</sup> Practice		C
Question 5	9 <sup>th</sup> Practice		A
Question 7	9 <sup>th</sup> Practice		A
Question 16	9 <sup>th</sup> Practice		D
Question 35	9 <sup>th</sup> Practice		C
Question 3	Spring 2005		A

**Benchmark G**

Question 7	Spring 2005		B
Question 21	9 <sup>th</sup> Practice		A