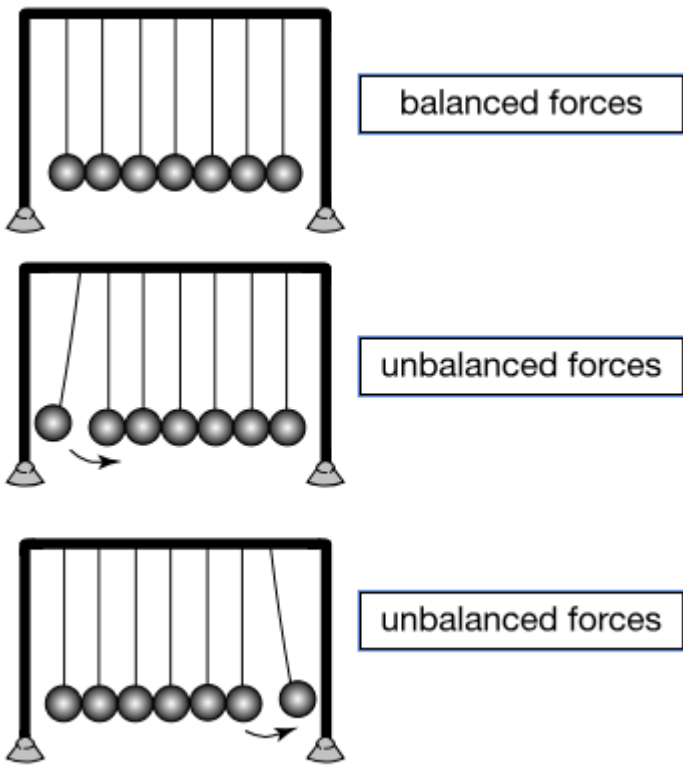


MISA Grade 5 Paper Release Form Answer Key Units 1 - 3

Unit 1

Item Number	Answer	NGSS Standard	Evidence Statement						
1	 <p>balanced forces</p> <p>unbalanced forces</p> <p>unbalanced forces</p>	3-PS2, 3-PS2-1	3-PS2-1.1.a						
2	C, D, E	3-PS2, 3-PS2-2	3-PS2-2.3.a.i						
3	<table border="1" data-bbox="345 1377 1141 1623"> <thead> <tr> <th data-bbox="345 1377 649 1444">Step 1</th> <th data-bbox="649 1377 894 1444">Step 2</th> <th data-bbox="894 1377 1141 1444">Step 3</th> </tr> </thead> <tbody> <tr> <td data-bbox="345 1444 649 1623">Pull the left sphere out 50 millimeters.</td> <td data-bbox="649 1444 894 1623">Release the sphere.</td> <td data-bbox="894 1444 1141 1623">Record the distance the sphere on the right moves.</td> </tr> </tbody> </table>	Step 1	Step 2	Step 3	Pull the left sphere out 50 millimeters.	Release the sphere.	Record the distance the sphere on the right moves.	3-PS2, 3-PS2-1	3-PS2-1.3.a.i
Step 1	Step 2	Step 3							
Pull the left sphere out 50 millimeters.	Release the sphere.	Record the distance the sphere on the right moves.							
4	A	3-PS2, 3-PS2-1	3-PS2-1.2.a.ii						
5	D, 4	3-PS2, 3-PS2-2	3-PS2-2.1.b						
6	Constructed response	3-PS2, 3-PS2-1	3-PS2-1.3.a.iv						

Unit 2

Item Number	Answer	NGSS Standard	Evidence Statement
1	A, B, E	3-LS4, 3-LS4-1	3-LS4-1.1.a.i
2	D	3-LS4, 3-LS4-1	3-LS4-1.2.a.v
3	C	3-LS4, 3-LS4-1	3-LS4-1.2.a.ii
4	older than, younger than	3-LS4, 3-LS4-1	3-LS4-1.1.a.iii
5	D	3-LS4, 3-LS4-1	3-LS4-1.2.a.ii
6	Constructed response	3-LS4, 3-LS4-1	3-LS4-1.3.a.iii

Unit 3

Item Number	Answer	NGSS Standard	Evidence Statement		
1	D	4-ESS3, 4-ESS3-1	4-ESS3-1.1.a.i		
2	B	4-ESS3, 4-ESS3-1	4-ESS3-1.2.a.i		
3	nonrenewable resources, decrease	5-ESS3, 5-ESS3-1	5-ESS3-1.1.a.ii		
4	<table border="0" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Positive Effect of Hybrid Vehicles</p> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Releases no CO₂ at low speeds</div> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Uses less fuel than a gasoline-powered vehicle</div> </td> <td style="width: 50%; vertical-align: top;"> <p>Negative Effect of Hybrid Vehicles</p> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Releases CO₂ at higher speeds</div> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Uses nonrenewable resources</div> </td> </tr> </table>	<p>Positive Effect of Hybrid Vehicles</p> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Releases no CO₂ at low speeds</div> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Uses less fuel than a gasoline-powered vehicle</div>	<p>Negative Effect of Hybrid Vehicles</p> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Releases CO₂ at higher speeds</div> <div style="border: 1px solid blue; padding: 5px; margin: 5px; width: 80%; display: inline-block;">Uses nonrenewable resources</div>	5-ESS3, 5-ESS3-1	5-ESS3-1.2.a.i
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6	Constructed response	4-ESS3, 4-ESS3-1	4-ESS3-1.1.a.iii		