Pre-Formatted Reports: Benchmark Test Item Analysis - New Format

Data Selections

Institution(s): All School Types,All Schools
Benchmark Administration: 10/27/14, 2014-2015 Benchmark 1 Sci5
Trend Profile: 2014-2015
Subject: Life and Physical Sciences
Test Focus: Life and Physical Sciences
Test Level: All Benchmark Test Levels
Test Category: District Benchmark
Grade: All Grade Levels
Enrollment: Current

Number of questions: 30
Number of test-taking students: 1307

Student Responses

Question - Type	Correct		Incorrect	Most Common Mistake		Point Value	Points Achieved / Possible	P-Value/ Item Mean	Discrimination
	Rate	Value	Total Rate	Rate	Value				
1 - Multiple Choice	81%	B	19%	10%	A	1	1058 / 1307	0.82	0.50
2 - Multiple Choice	50%	C	50%	45%	A	1	654 / 1307	0.53	0.50
3 - Multiple Choice	65%	C	35%	19%	B	1	856 / 1307	0.62	0.42
4 - Multiple Choice	84%	C	16%	7%	A	1	1092 / 1307	0.84	0.49
5 - Multiple Choice	78%	C	22%	11%	B	1	1025 / 1307	0.79	0.25
6 - Multiple Choice	77%	B	23%	9%	C	1	1006 / 1307	0.77	0.30
7 - Multiple Choice	54%	B	46%	27%	A	1	705 / 1307	0.57	0.51
8 - Multiple Choice	41%	B	59%	24%	C	1	533 / 1307	0.41	0.36
9 - Multiple Choice	46%	D	54%	45%	B	1	604 / 1307	0.46	0.39
10 - Multiple Choice	53%	B	47%	25%	A	1	689 / 1307	0.56	0.55
11 - Multiple Choice	84%	C	16%	9%	A	1	1095 / 1307	0.84	0.47
12 - Multiple Choice	73%	B	27%	10%	D	1	955 / 1307	0.75	0.54
13 - Multiple Choice	61%	A	39%	22%	B	1	799 / 1307	0.67	0.38
14 - Multiple Choice	57%	D	43%	20%	A	1	744 / 1307	0.60	0.47
15 - Multiple Choice	29%	D	71%	27%	C	1	384 / 1307	0.33	0.20
16 - Multiple Choice	46%	D	54%	25%	A	1	602 / 1307	0.49	0.59
17 - Multiple Choice	50%	A	50%	23%	B	1	652 / 1307	0.49	0.36
18 - Multiple Choice	86%	D	14%	6%	C	1	1120 /	0.85	0.41

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							1307		
19 - Multiple Choice	**55%**	**C**	**45%**	**19%**	**A**	1	716 / 1307	0.53	0.44
20 - Multiple Choice	**53%**	**C**	**47%**	**30%**	**A**	1	691 / 1307	0.61	0.44
21 - Multiple Choice	**80%**	**A**	**20%**	**9%**	**D**	1	1048 / 1307	0.83	0.53
22 - Multiple Choice	**86%**	**C**	**14%**	**6%**	**A**	1	1121 / 1307	0.87	0.41
23 - Multiple Choice	**63%**	**B**	**37%**	**15%**	**A**	1	820 / 1307	0.64	0.58
24 - Multiple Choice	**64%**	**B**	**36%**	**30%**	**D**	1	837 / 1307	0.66	0.36
25 - Multiple Choice	**58%**	**B**	**42%**	**18%**	**A**	1	761 / 1307	0.55	0.39
26 - Multiple Choice	**63%**	**B**	**37%**	**21%**	**C**	1	821 / 1307	0.66	0.52
27 - Multiple Choice	**47%**	**B**	**53%**	**29%**	**C**	1	619 / 1307	0.50	0.24
28 - Multiple Choice	**68%**	**D**	**32%**	**15%**	**C**	1	890 / 1307	0.67	0.54
29 - Multiple Choice	**79%**	**D**	**21%**	**9%**	**C**	1	1039 / 1307	0.79	0.46
30 - Multiple Choice	**78%**	**B**	**22%**	**17%**	**C**	1	1020 / 1307	0.78	0.46
Summary	**64%**		**36%**				**832 / 1307**		

P-value represents an item's difficulty as evaluated by dividing the total number of correct responses by the total number of students tested. P-value is calculated for true/false, multiple choice, gridded or hot spot-single response items.

Item Mean is the average score for student responses to an open response question or to a multi-part question. Item Mean is calculated for inline response, matching or hot spot-multiple selections items.

Discrimination or Item Total Score Correlation is the correlation between the question score and the overall test score and indicates the extent to which success on an item corresponds to success on the test.

Standards Alignment to NC Standards

Question	ID	Standard Description
1 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
2 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
3 - Multiple Choice	**NCES.5.P.2.2**	Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
4 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
5 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
6 - Multiple Choice	**NCES.5.P.2.2**	Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
7 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s)

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		formed, to demonstrate that a change has occurred.
8 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
9 - Multiple Choice	**NCES.5.P.2.2**	Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
10 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
11 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
12 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
13 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
14 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
15 - Multiple Choice	**NCES.5.P.3.2**	Explain how heating and cooling affect some materials and how this relates to their purpose and practical applications.
16 - Multiple Choice	**NCES.5.P.3.1**	Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
17 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
18 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
19 - Multiple Choice	**NCES.5.P.2.2**	Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
20 - Multiple Choice	**NCES.5.P.2.3**	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.
21 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
22 - Multiple Choice	**NCES.5.P.3.1**	Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
23 - Multiple Choice	**NCES.5.P.3.1**	Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
24 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
25 - Multiple Choice	**NCES.5.P.2.2**	Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
26 - Multiple Choice	**NCES.5.P.3.1**	Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
27 - Multiple Choice	**NCES.5.P.3.1**	Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
28 - Multiple Choice	**NCES.5.P.2.1**	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
29 - Multiple Choice	**NCES.5.P.2.2**	Compare the weight of an object to the sum of the weight of its parts

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	before and after an interaction.
30 - Multiple Choice NCES.5.P.2.3	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.

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