

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

Data Selections

Institution(s): All School Types, All Schools
Benchmark Administration: 10/28/14, 2014-15 BA 1 6th Science
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: 13

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	0%	C	100%	77%	A	1	0 / 13	0.17	0.25
2 - Multiple Choice	38%	A	62%	23%	B	1	5 / 13	0.40	0.34
3 - Multiple Choice	54%	A	46%	38%	C	1	7 / 13	0.34	0.15
4 - Multiple Choice	69%	D	31%	15%	C	1	9 / 13	0.78	0.42
5 - Multiple Choice	85%	A	15%	8%	B	1	11 / 13	0.92	0.39
6 - Multiple Choice	38%	C	62%	38%	D	1	5 / 13	0.33	0.14
7 - Multiple Choice	69%	C	31%	15%	D	1	9 / 13	0.68	0.43
8 - Multiple Choice	62%	D	38%	15%	B	1	8 / 13	0.65	0.28
9 - Multiple Choice	62%	A	38%	23%	C	1	8 / 13	0.79	0.37
10 - Multiple Choice	77%	C	23%	15%	D	1	10 / 13	0.82	0.45
11 - Multiple Choice	62%	D	38%	23%	B	1	8 / 13	0.81	0.38
12 - Multiple Choice	62%	C	38%	23%	D	1	8 / 13	0.54	0.47
13 - Multiple Choice	62%	C	38%	31%	A	1	8 / 13	0.81	0.45
14 - Multiple Choice	85%	B	15%	8%	C	1	11 / 13	0.75	0.40
15 - Multiple Choice	62%	A	38%	23%	B	1	8 / 13	0.72	0.28
16 - Multiple Choice	69%	B	31%	23%	C	1	9 / 13	0.83	0.55
17 - Multiple Choice	85%	B	15%	8%	C	1	11 / 13	0.84	0.38
18 - Multiple Choice	46%	A	54%	23%	C	1	6 / 13	0.46	0.33
19 - Multiple Choice	31%	A	69%	62%	D	1	4 / 13	0.32	0.46
20 - Multiple Choice	69%	B	31%	15%	A	1	9 / 13	0.82	0.45

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21 - Multiple Choice	38%	C	62%	31%	D	1	5 / 13	0.43	0.28
22 - Multiple Choice	85%	C	15%	15%	A	1	11 / 13	0.78	0.47
23 - Multiple Choice	31%	D	69%	46%	A	1	4 / 13	0.61	0.42
24 - Multiple Choice	85%	B	15%	15%	C	1	11 / 13	0.78	0.38
25 - Multiple Choice	46%	A	54%	23%	C	1	6 / 13	0.65	0.27
26 - Multiple Choice	38%	A	62%	31%	B	1	5 / 13	0.57	0.40
27 - Multiple Choice	69%	C	31%	15%	A	1	9 / 13	0.79	0.48
28 - Multiple Choice	31%	B	69%	31%	A	1	4 / 13	0.68	0.54
29 - Multiple Choice	69%	A	31%	31%	D	1	9 / 13	0.72	0.48
30 - Multiple Choice	54%	A	46%	23%	D	1	7 / 13	0.46	0.30
Summary	58%		42%				8 / 13		

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.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
2 - Multiple Choice	NCES.6.P.1.3	Explain the relationship among the rate of vibration, the medium through which vibrations travel, sound and hearing.
3 - Multiple Choice	NCES.6.P.1.3	Explain the relationship among the rate of vibration, the medium through which vibrations travel, sound and hearing.
4 - Multiple Choice	NCES.6.P.1.1	Compare the properties of waves to the wavelike property of energy in earthquakes, light and sound.
5 - Multiple Choice	NCES.6.P.2.1	Recognize that all matter is made up of atoms and atoms of the same element are all alike, but are different from the atoms of other elements.
6 - Multiple Choice	NCES.6.P.1.2	Explain the relationship among visible light, the electromagnetic spectrum, and sight.
7 - Multiple Choice	NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
8 - Multiple Choice	NCES.6.P.1.1	Compare the properties of waves to the wavelike property of energy in earthquakes, light and sound.
9 - Multiple Choice	NCES.6.P.1.3	Explain the relationship among the rate of vibration, the medium through which vibrations travel, sound and hearing.
10 - Multiple Choice	NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of

	matter present to include volume, mass and weight.
11 - Multiple Choice NCES.6.P.1.1	Compare the properties of waves to the wavelike property of energy in earthquakes, light and sound.
12 - Multiple Choice NCES.6.P.1.1	Compare the properties of waves to the wavelike property of energy in earthquakes, light and sound.
13 - Multiple Choice NCES.6.P.1.2	Explain the relationship among visible light, the electromagnetic spectrum, and sight.
14 - Multiple Choice NCES.6.P.1.1	Compare the properties of waves to the wavelike property of energy in earthquakes, light and sound.
15 - Multiple Choice NCES.6.P.2.1	Recognize that all matter is made up of atoms and atoms of the same element are all alike, but are different from the atoms of other elements.
16 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
17 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
18 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
19 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
20 - Multiple Choice NCES.6.P.2.2	Explain the effect of heat on the motion of atoms through a description of what happens to particles during a change in phase.
21 - Multiple Choice NCES.6.P.2.1	Recognize that all matter is made up of atoms and atoms of the same element are all alike, but are different from the atoms of other elements.
22 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
23 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
24 - Multiple Choice NCES.6.P.2.3	Compare the physical properties of pure substances that are independent of the amount of matter present including density, melting point, boiling point, and solubility to properties that are dependent on the amount of matter present to include volume, mass and weight.
25 - Multiple Choice NCES.6.P.2.1	Recognize that all matter is made up of atoms and atoms of the same element are all alike, but are different from the atoms of other elements.
26 - Multiple Choice NCES.6.P.2.2	Explain the effect of heat on the motion of atoms through a description of what happens to particles during a change in phase.
27 - Multiple Choice NCES.6.P.2.2	Explain the effect of heat on the motion of atoms through a description of what happens to particles during a change in phase.
28 - Multiple Choice NCES.6.P.2.2	Explain the effect of heat on the motion of atoms through a description of what happens to particles during a change in phase.
29 - Multiple Choice NCES.6.P.2.1	Recognize that all matter is made up of atoms and atoms of the same element are all alike, but are different from the atoms of other elements.
30 - Multiple Choice NCES.6.P.2.2	Explain the effect of heat on the motion of atoms through a description of what happens to particles during a change in phase.

