

**2019-20 NC Check-Ins
Grade 8 Physical Science
State Item Statistics**

	Content Standard		Item #	Percent Correct by Item
Matter: Properties and Change	8.P.1.1	Classify matter as elements, compounds, or mixtures based on how the atoms are packed together in arrangements.	1	*
			7	*
			13	*
			19	*
	8.P.1.2	Explain how the physical properties of elements and their reactivity have been used to produce the current model of the Periodic Table of elements.	2	*
			8	*
			14	*
			20	69
	8.P.1.3	Compare physical changes such as size, shape and state to chemical changes that are the result of a chemical reaction to include changes in temperature, color, formation of a gas or precipitate	3	76
			9	66
			15	*
			21	*
	8.P.1.4	Explain how the idea of atoms and a balanced chemical equation support the law of conservation of mass.	4	65
			10	80
			16	60
			22	*
Energy: Conservation and Transfer	8.P.2.1	Explain the environmental consequences of the various methods of obtaining, transforming and distributing energy	5	81
			11	74
			17	*
			23	*
	8.P.2.2	Explain the implications of the depletion of renewable and nonrenewable energy resources and the importance of conservation.	6	74
			12	52
			18	72
			24	*

Note: Results from NC Check-Ins should not be compared across interims, districts, or the state.

Each NC Check-In for grade 8 Science assesses different content standards.

*New Item – no data currently available