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

	Content Standard		Item #	Percent Correct by Item
Earth Systems, Structures and Processes	8.E.1.1	Explain the structure of the hydrosphere including: • Water distribution on earth • Local river basins and water availability	1	76
			7	71
			13	
			19	
	8.E.1.2	Summarize evidence that Earth's oceans are a reservoir of nutrients, minerals, dissolved gases, and life forms: • Estuaries • Marine ecosystems • Upwelling • Behavior of gases in the marine environment • Value and sustainability of marine resources • Deep ocean technology and understandings gained	2	74
			8	84
			14	37
			20	65
	8.E.1.3	Predict the safety and potability of water supplies in North Carolina based on physical and biological factors, including: • Temperature • Dissolved oxygen • pH • Nitrates and phosphates • Turbidity • Bio-indicators	3	
			9	30
			15	62
			21	74
	8.E.1.4	Conclude that the good health of humans requires: • Monitoring of the hydrosphere • Water quality standards • Methods of water treatment • Maintaining safe water quality • Stewardship	4	
			10	67
			16	
			22	76
Earth History	8.E.2.1	Infer the age of Earth and relative age of rocks and fossils from index fossils and ordering of rock layers (relative dating and radioactive dating).	5	87
			11	
			17	
			23	68
	8.E.2.2	Explain the use of fossils, ice cores, composition of sedimentary rocks, faults, and igneous rock formations found in rock layers as evidence of the history of the Earth and its changing life forms.	6	84
			12	84
			18	58
			24	78

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.