

Assessment TE - Reporting Category Data

**Category 1
Matter and Energy
6 Base Test Questions
1 Field Test Question**

TEKS	Item	My Answer	Correct Answer	Notes
5.8A classify matter based on physical properties including phase, magnetism, physical state, field, liquid and gas, relative density (sinking and floating), solubility in water, and the ability to conduct or insulate thermal energy or electric energy	8		H	
	17		D	
	25		D	
5.8B identify the boiling and freezing/melting points of water on the Celsius scale	15		C	
5.8C demonstrate that some mixtures maintain physical properties of their ingredients such as iron filings and sand	26		F	
5.8D identify changes that can occur in the physical properties of the ingredients of solutions such as dissolving salt in water or adding lemon juice to water	FT-38		G	
3.5C predict, observe, and record changes in the state of matter caused by heating or cooling	12		J	

Shaded = Readiness TEKS, NT = Not Tested, FT-Field Test (do not count toward student score)
Readiness TEKS - 3/6 questions

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**Category 2
Force, Motion, and Energy
8 Base Test Questions
0 Field Test Questions**

TEKS	Item	My Answer	Correct Answer	Notes
5.6A explore the types of energy, including mechanical, light, thermal, electrical, and sound energy	5		A	
	20		J	
5.6B demonstrate that the flow of electricity in circuits requires a complete path through which an electric current can pass and can produce light, heat, and sound	23		B	
	34		J	
5.6C demonstrate that light travels in a straight line until it strikes an object or travels through one medium to another and demonstrate that light can be reflected such as the use of mirrors or other shiny surfaces and refracted such as the appearance of an object when observed through water	18		F	
	35		B	
5.6D design an experiment that tests the effect of force on an object	7		D	
3.6B demonstrate and observe how position and motion can be changed by pushing and pulling objects to show work being done such as swings, balls, pulleys and wagons	14		H	

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Readiness TEKS - 6/8 questions

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Each Benchmark answer key is broken into Reporting Categories for efficient analysis of strengths and weaknesses for each student.

Process Standard TEKS for each item on the Benchmark are noted when appropriate.

Viewing Benchmarks in this manner helps teachers and students identify content areas that need re-teaching or emphasis before STAAR assessments.

**Category 3
Earth and Space
10 Base Test Questions
3 Field Test Questions**

TEKS	Item	My Answer	Correct Answer	Notes
5.7A explore the processes that led to the formation of sedimentary rocks and fossil fuels	9		A	
5.7B recognize how landforms such as deltas, canyons, and sand dunes are the result of changes to Earth's surface by wind, water, and ice	16		H	
	11		C	
5.7C identify alternative energy resources such as wind, solar, hydroelectric, geothermal, and nuclear	FT-42		H	
5.7D identify fossils as evidence of past living organisms and the nature of the environments at the time using models	NT			
5.8A differentiate between weather and climate	4		H	
5.8B explain how the Sun and the ocean interact in the water cycle			B	
	1		C	
5.8C demonstrate that Earth rotates on its axis once approximately every 24 hours causing the diurnal cycle and the apparent movement of the Sun across the sky	24		F	
	28		J	
4.7A examine properties of soils including color, texture, capacity to retain water, and ability to support the growth of plants	NT			
4.7C identify and classify Earth's renewable resources, including air, forests, water, and animals; and nonrenewable natural gas, and the importance of conservation	FT-41		A	
4.8A measure and record changes in weather and mass predictors using weather maps, weather symbols, and a mass scale	21		C	
4.8B describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process	NT			
4.8C collect and analyze data to identify sequences and specific patterns of change in shadows, tides, seasons, and the observable appearance of the Moon over time	NT			
3.7B investigate recent changes in Earth's surface such as volcanic eruptions, earthquakes and landslides	30		J	
3.8D identify the planets in Earth's solar system and their position in relation to the Sun	FT-39		C	

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Readiness TEKS - 5/10 questions

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**Category 4
Organisms and Environments
12 Base Test Questions
2 Field Test Questions**

TEKS	Item	My Answer	Correct Answer	Notes
5.9A observe the ways organisms live and survive in their ecosystem by interacting with the living and nonliving elements	22		F	
	33		B	
5.9B describe how the flow of energy derived from the Sun, used by producers to create their own food, is transferred through a food chain and food web to consumers and decomposers	6		H	
	10		F	
5.9C predict the effects of changes in ecosystems caused by living organisms, including humans, such as the overpopulation of geckos or the building of highways	FT-37		D	
	31		A	
5.9D identify the significance of the carbon dioxide-oxygen cycle to the survival of plants	FT-40		H	
5.10A compare the structures and functions of different species that help them live and survive such as hooves on giraffe animals or webbed feet in aquatic animals	19		A	
	32		G	
5.10B discriminate between inherited traits of plants and animals such as spines on a cactus or shape of a beak and learned behaviors such as an animal learning tricks or a child riding a bicycle	2		G	
	13		A	
5.10C describe the differences between complete and incomplete metamorphosis of insects	29		B	
3.9A observe and describe the physical characteristics of environments and how they support populations and communities within an ecosystem	27		A	
3.10C investigate and compare how animals and plants undergo a series of orderly changes in their diverse life cycles such as tomato plants, frogs, and lady bugs	36		J	

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Readiness TEKS - 8/12 questions

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