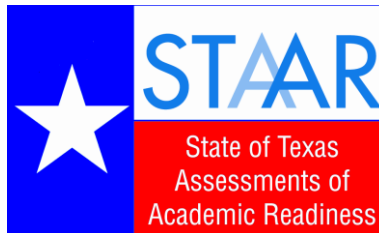


STAAR™ Science Assessments – Quick Reference Charts

STAAR™ Grade 5 Science Assessment
STAAR™ Grade 8 Science Assessment
STAAR™ Biology Assessment
STAAR™ Chemistry Assessment
STAAR™ Physics Assessment



The following Quick Reference Charts combine information derived from two primary STAAR™ resources:

- **Assessed curriculum.** The assessed curriculum documents show the reporting categories (referred to as objectives on TAKS) for each assessment as well as the Texas Essential Knowledge and Skills (TEKS) that are eligible to be assessed. The eligible TEKS student expectations grouped under each reporting category are divided into those that are considered essential for academic readiness and those that are considered supporting.
- **Test blueprints for the grades/subjects and courses assessed.** The test blueprints show the reporting categories, the number of questions and TEKS student expectations assessed in each reporting category, and the number of questions on the test overall.

More information on STAAR™ is available at
<http://www.tea.state.tx.us/student.assessment/staar/>.

More information on science curriculum is available at
<http://www.tea.state.tx.us/index2.aspx?id=5483>.

These Quick Reference Charts were developed by the TEA Curriculum Division.
Questions may be addressed by calling (512) 463-9581.

STAAR™ Grade 5 Science Assessment – Quick Reference Chart

Reporting Category 1: Matter and Energy – Student Expectations (8 questions of 44 total)

Readiness Standards	Supporting Standards
5.5A	5.5B
	5.5C
	5.5D
	3.5C

Reporting Category 2: Force, Motion, and Energy – Student Expectations (10 questions of 44 total)

Readiness Standards	Supporting Standards
5.6A	5.6D
5.6B	3.6B
5.6C	

Reporting Category 3: Earth and Space – Student Expectations (12 questions of 44 total)

Readiness Standards	Supporting Standards
5.7A	5.7D
5.7B	5.8A
5.7C	5.8B
5.8C	5.8D
	4.7A
	4.7C
	4.8A
	4.8B
	4.8C
	3.7B
	3.8D

Reporting Category 4: Organisms and Environments – Student Expectations (14 questions of 44 total)

Readiness Standards	Supporting Standards
5.9A	5.9C
5.9B	5.9D
5.10A	5.10C
5.10B	3.9A
	3.10C

Scientific Investigation and Reasoning Skills

These skills will not be listed under a separate reporting category. Instead, they will be incorporated into at least 40% of the test questions in reporting categories 1–4 and will be identified along with content standards.

Grade 5 Student Expectations

5.1A, 5.1B

5.2A, 5.2B, 5.2C, 5.2D, 5.2E, 5.2F, 5.2G

5.3A, 5.3B, 5.3C, 5.3D

5.4A, 5.4B

Total Number of Readiness Standards = 12	60%–65% of Test (between 26-29 questions on test)
Total Number of Supporting Standards = 22	35%–40% of Test (between 15-18 questions on test)
Total Number of Questions = 44 (43 Multiple Choice and 1 Griddable)	

STAAR™ Grade 8 Science Assessment – Quick Reference Chart

Reporting Category 1: Matter and Energy – Student Expectations (14 questions of 54 total)

Readiness Standards	Supporting Standards
8.5A	8.5F
8.5B	7.5C
8.5C	7.6A
8.5D	7.6B
8.5E	6.5C
	6.6A
	6.6B

Reporting Category 2: Force, Motion, and Energy – Student Expectations (12 questions of 54 total)

Readiness Standards	Supporting Standards
8.6A	8.6B
8.6C	7.7A
	6.8A
	6.8C
	6.8D
	6.9C

Reporting Category 3: Earth and Space – Student Expectations (14 questions of 54 total)

Readiness Standards	Supporting Standards
8.7A	8.7C
8.7B	8.8B
8.8A	8.8C
8.9B	8.8D
8.9C	8.9A
	8.10A
	8.10B
	8.10C
	7.8C
	6.11B

Reporting Category 4: Organisms and Environments – Student Expectations (14 questions of 54 total)

Readiness Standards	Supporting Standards
8.11A	8.11D
8.11B	7.10B
8.11C	7.10C
	7.11A
	7.11C
	7.12B
	7.12D
	7.12F
	7.14B
	7.14C
	6.12D

Scientific Investigation and Reasoning Skills

These skills will not be listed under a separate reporting category. Instead, they will be incorporated into at least 40% of the test questions in reporting categories 1–4 and will be identified along with content standards.

Grade 8 Student Expectations

8.1A, 8.1B
 8.2A, 8.2B, 8.2C, 8.2D, 8.2E
 8.3A, 8.3B, 8.3C, 8.3D
 8.4A, 8.4B

Total Number of Readiness Standards = 15	60%–65% of Test (between 32-35 questions on test)
Total Number of Supporting Standards = 34	35%–40% of Test (between 19-22 questions on test)
Total Number of Questions = 54 (50 Multiple Choice and 4 Griddable)	

STAAR™ Biology Assessment – Quick Reference Chart

Reporting Category 1: Cell Structure and Function – Student Expectations (11 questions of 54 total)

Readiness Standards	Supporting Standards
B.4B	B.4A
B.4C	B.5B
B.5A	B.5C
B.9A	B.5D
	B.9D

Reporting Category 2: Mechanisms of Genetics – Student Expectations (11 questions of 54 total)

Readiness Standards	Supporting Standards
B.6A	B.6B
B.6E	B.6C
B.6F	B.6D
	B.6G
	B.6H

Reporting Category 3: Biological Evolution and Classification – Student Expectations (10 questions of 54 total)

Readiness Standards	Supporting Standards
B.7A	B.7B
B.7E	B.7C
B.8B	B.7D
	B.7F
	B.7G
	B.8A
	B.8C

Reporting Category 4: Biological Processes and Systems – Student Expectations (11 questions of 54 total)

Readiness Standards	Supporting Standards
B.10A	B.9B
B.10B	B.9C
	B.10C
	B.11A

Reporting Category 5: Interdependence within Environmental Systems – Student Expectations (11 questions of 54 total)

Readiness Standards	Supporting Standards
B.11D	B.11B
B.12A	B.11C
B.12C	B.12B
B.12F	B.12D
	B.12E

Scientific Process Skills

These skills will not be listed under a separate reporting category. Instead, they will be incorporated into at least 40% of the test questions in reporting categories 1–5 and will be identified along with content standards.

Biology Student Expectations

B.1A, B.1B

B.2A, B.2B, B.2C, B.2D, B.2E, B.2F, B.2G, B.2H

B.3A, B.3B, B.3C, B.3D, B.3E, B.3F

Total Number of Readiness Standards = 16	60%–65% of Test (between 32-35 questions on test)
Total Number of Supporting Standards = 26	35%–40% of Test (between 19-22 questions on test)

Total Number of Questions = 54 Multiple Choice
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STAAR™ Chemistry Assessment – Quick Reference Chart

Reporting Category 1: Matter and the Periodic Table – Student Expectations (12 questions of 52 total)

Readiness Standards	Supporting Standards
C.4A	C.4B
C.4D	C.4C
C.5B	C.5A
C.5C	

Reporting Category 2: Atomic Structure and Nuclear Chemistry – Student Expectations (9 questions of 52 total)

Readiness Standards	Supporting Standards
C.6E	C.6A
C.12B	C.6B
	C.6C
	C.6D
	C.12A
	C.12C

Reporting Category 3: Bonding and Chemical Reactions – Student Expectations (14 questions of 52 total)

Readiness Standards	Supporting Standards
C.7A	C.7D
C.7B	C.7E
C.7C	C.8A
C.8B	C.8C
C.8D	C.8E

Reporting Category 4: Gases and Thermochemistry – Student Expectations (8 questions of 52 total)

Readiness Standards	Supporting Standards
C.9A	C.9B
C.11C	C.9C
	C.11A
	C.11B
	C.11D
	C.11E

Reporting Category 5: Solutions – Student Expectations (9 questions of 52 total)

Readiness Standards	Supporting Standards
C.10B	C.10A
C.10E	C.10C
C.10F	C.10D
C.10H	C.10G
	C.10I
	C.10J

Scientific Process Skills

These skills will not be listed under a separate reporting category. Instead, they will be incorporated into at least 40% of the test questions in reporting categories 1–5 and will be identified along with content standards.

Chemistry Student Expectations

C.1A, C.1B, C.1C

C.2A, C.2B, C.2C, C.2D, C.2E, C.2F, C.2G, C.2H, C.2I

C.3A, C.3B, C.3C, C.3D, C.3E, C.3F

Total Number of Readiness Standards = 17	60%–65% of Test (between 31-34 questions on test)
Total Number of Supporting Standards = 26	35%–40% of Test (between 18-21 questions on test)

Total Number of Questions = 52 (47 Multiple Choice and 5 Griddable)

STAAR™ Physics Assessment – Quick Reference Chart

Reporting Category 1: Force and Motion – Student Expectations (14 questions of 50 total)

Readiness Standards	Supporting Standards
P.4A	P.4C
P.4B	P.4E
P.4D	P.4F

Reporting Category 2: Gravitational, Electrical, Magnetic, and Nuclear Forces – Student Expectations (12 questions of 50 total)

Readiness Standards	Supporting Standards
P.5B	P.5A
P.5F	P.5C
	P.5D
	P.5E
	P.5G
	P.5H

Reporting Category 3: Momentum and Energy – Student Expectations (12 questions of 50 total)

Readiness Standards	Supporting Standards
P.6A	P.6E
P.6B	P.6F
P.6C	P.6G
P.6D	

Reporting Category 4: Waves and Quantum Phenomena – Student Expectations (12 questions of 50 total)

Readiness Standards	Supporting Standards
P.7B	P.7A
P.7D	P.7C
P.8A	P.7E
	P.7F
	P.8B
	P.8C
	P.8D

Scientific Process Skills

These skills will not be listed under a separate reporting category. Instead, they will be incorporated into at least 40% of the test questions in reporting categories 1–4 and will be identified along with content standards.

Physics Student Expectations

P.1A, P.1B

P.2A, P.2B, P.2C, P.2D, P.2E, P.2F, P.2G, P.2H, P.2I, P.2J, P.2K, P.2L

P.3A, P.3B, P.3C, P.3D, P.3E, P.3F

Total Number of Readiness Standards = 12	60%–65% of Test (between 30-33 questions on test)
Total Number of Supporting Standards = 19	35%–40% of Test (between 17-20 questions on test)

Total Number of Questions = 50 (45 Multiple Choice and 5 Griddable)
