



Integrated Science 8 Semester 1 Final Assessment Blueprint

Year: 2024-2025
Subject: Science

Method of Delivery: Online
Administration Window: December 9-20

Resources

[Integrated Science 8 Curriculum Map](#)

Standards At-A Glance

Standard	Number of Items	Standard Description
SCI.7.7.L1U1.10	4	Develop and use a model to explain how cells, tissues, and organ systems maintain life (animals).
SCI.7.7.L1U1.11	5	Construct an explanation for how organisms maintain internal stability and evaluate the effect of the external factors on organisms' internal stability.
SCI.7.7.L1U1.8	3	Obtain, evaluate, and communicate information to provide evidence that all living things are made of cells, cells come from existing cells, and cells are the basic structural and functional unit of all living things.
SCI.7.7.L1U1.9	5	Construct an explanation to demonstrate the relationship between major cell structures and cell functions (plant and animal).
SCI.7.7.L2U1.12	5	Construct an explanation for how some plant cells convert light energy into food energy.
SCI.8.8.L4U1.12	1	Gather and communicate evidence on how the process of natural selection provides an explanation of how new species can evolve.
SCI.8.8.P1U1.1	10	Develop and use a model to demonstrate that atoms and molecules can be combined or rearranged in chemical reactions to form new compounds with the total number of each type of atom conserved.
SCI.8.8.P1U1.2	9	Obtain and evaluate information regarding how scientists identify substances based on unique physical and chemical properties.
SCI.8.8.P4U2.5	1	Develop a solution to increase efficiency when transferring energy from one source to another.

* Some items are tagged to more than one standard.

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	14
Level 2: Skill/Concept	23
Level 3: Strategic Thinking	5

Item Types Included

Type	Number of Items	Description
EBSR	3	Evidence-Based Selected Response - answer a two-part question in which Part B provides text evidence for the answer in Part A
IC	4	Inline Choice - Select the correct response from one or more dropdown menus within the question
MC	28	Multiple Choice - Select one answer
MR	7	Multiple Response - Select all the correct answers