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Maine Science Assessment Practice Test Supplemental Materials and Resources

Grade 5

There are two systems that can be used to help prepare your student for the Maine Science Assessment.

1. The [Maine Science Assessment Tutorial](#) is a set of online questions that allow students to better understand and practice using the tools and response methods they may experience using ADAM, the Maine Science Assessment platform. This tutorial does not provide practice on the content or item types from a content perspective. It will, however, provide exposure to the navigation, tools, accessibility features, and methodology for responding to item types such as drag and drop and other technology-based item types that require manipulation of the mouse.

Tutorial test code:

- No Text-to-speech (TTS): STUTOR
- Text-to-speech (TTS) enabled: STUTORT

2. The Grade 5 [Maine Science Assessment Practice Test](#) is an online set of scenarios and items meant to familiarize students with the types of questions they may encounter when they take the Maine Science Assessment. The practice test is not scored, nor are the students' answers retained. Each online question can be answered and checked via the online interface. The students will receive real-time feedback that indicates the accuracy of their answers using the following messages:

- Correct, way to go!
- Incorrect, you may want to try again.

Practice Test code:

- No Text-to-speech (TTS): SPTGR5
- Text-to-speech (TTS) enabled: SPTGR5T

Each student has up to three (3) attempts to reason through and find the correct answer. The rationales, or reasons why the incorrect answers are wrong, can be found starting on page 5 of this packet and should be used to help explain the error that they likely made that led them to choose that specific wrong answer. The rationales are developed based on the most frequent errors and may not be the exact logic or factual error a student made.

For test questions that are not scored by the system, those that require a written or constructed response, we recommend that students answer these questions on paper so that their responses can be reviewed against the rubric and discussed outside of the system. The rubrics for these questions can be found starting on page 5 of this packet.

While these tools do not take the place of your science instruction, which is the number one preparation that all students should receive, we do recommend that you have students access and take the tutorial (see URL below) to familiarize themselves with the ADAM platform, navigation, and features. Once there is good familiarity with the platform, we recommend that your students work through the practice test (see URL below) to become acquainted with how their science content will be assessed during the Maine Science Assessment.

Links:

- Maine Science Assessment Tutorial: <https://adamexam.com/tester/>
- Maine Science Assessment Practice Test: <https://adamexam.com/tester/>
- Supplemental Materials and Resources: <https://mescience.zendesk.com/hc/en-us/sections/1500001237162-Resources-Document-Downloads>

Universal Features, Designated Supports/Features, and Accommodations

The full list of Universal Features, Designated Supports/Features, and Accommodations for students with disabilities and English learners can be found in Appendix A of the [Maine Principal and Assessment Coordinator \(PAC\) Manual](#).

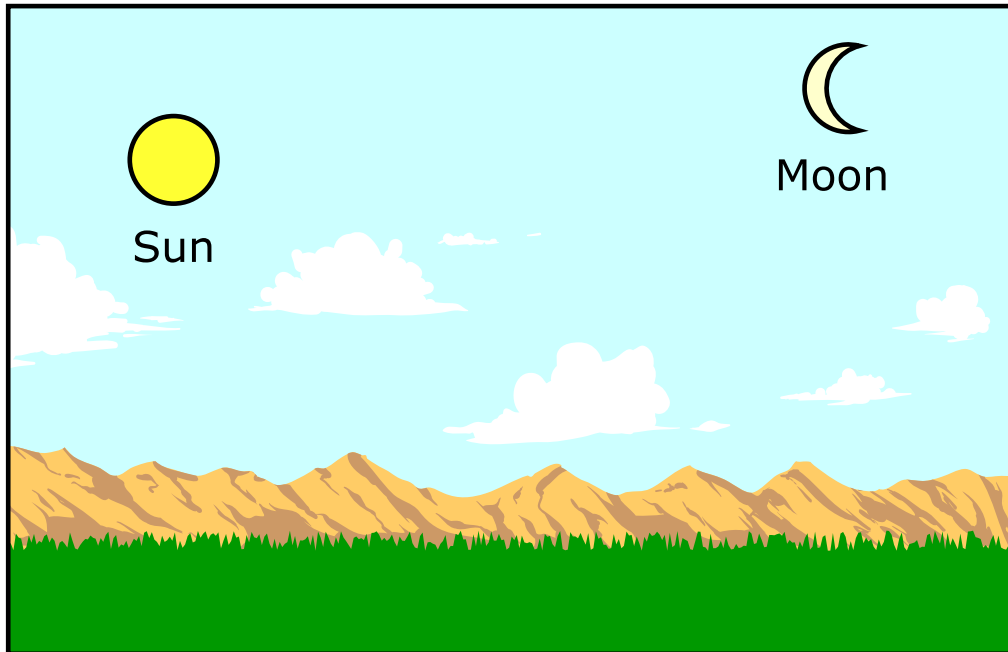
Grade 5 Practice Test Table of Rationales and Exemplars

Item Number	Part	ACO A	ACO B	ACO C	ACO D	ACO E	Rationale	Exemplar
Daytime Moon								
1	A	N/A	N/A	N/A	N/A	N/A	The Sun should be placed in the drop box in the middle of the orbit circle, and Earth should be placed on the drop box on the orbit circle. Earth should orbit the Sun.	N/A
1	B	N/A	N/A	N/A	N/A	N/A	Earth should be placed in the drop box in the middle of the orbit circle, and the Moon should be placed on the drop box on the orbit circle. The Moon should orbit Earth.	N/A
1	C	This is incorrect because although the Moon orbits Earth and the Sun, the Sun doesn't orbit Earth.	This is incorrect because neither the Earth nor the Sun orbit the Moon.	This is correct because the Earth/Moon system orbits the Sun.	N/A	N/A	N/A	N/A

Rubrics

Item 05 - Phases of the Moon

Jeremy is walking home from school in the early afternoon. He sees the Sun and the Moon together in the sky. This surprises Jeremy because he thought that the Moon could be seen only at night. He wonders why the Moon is visible during the day.



Item 06 - Cooler

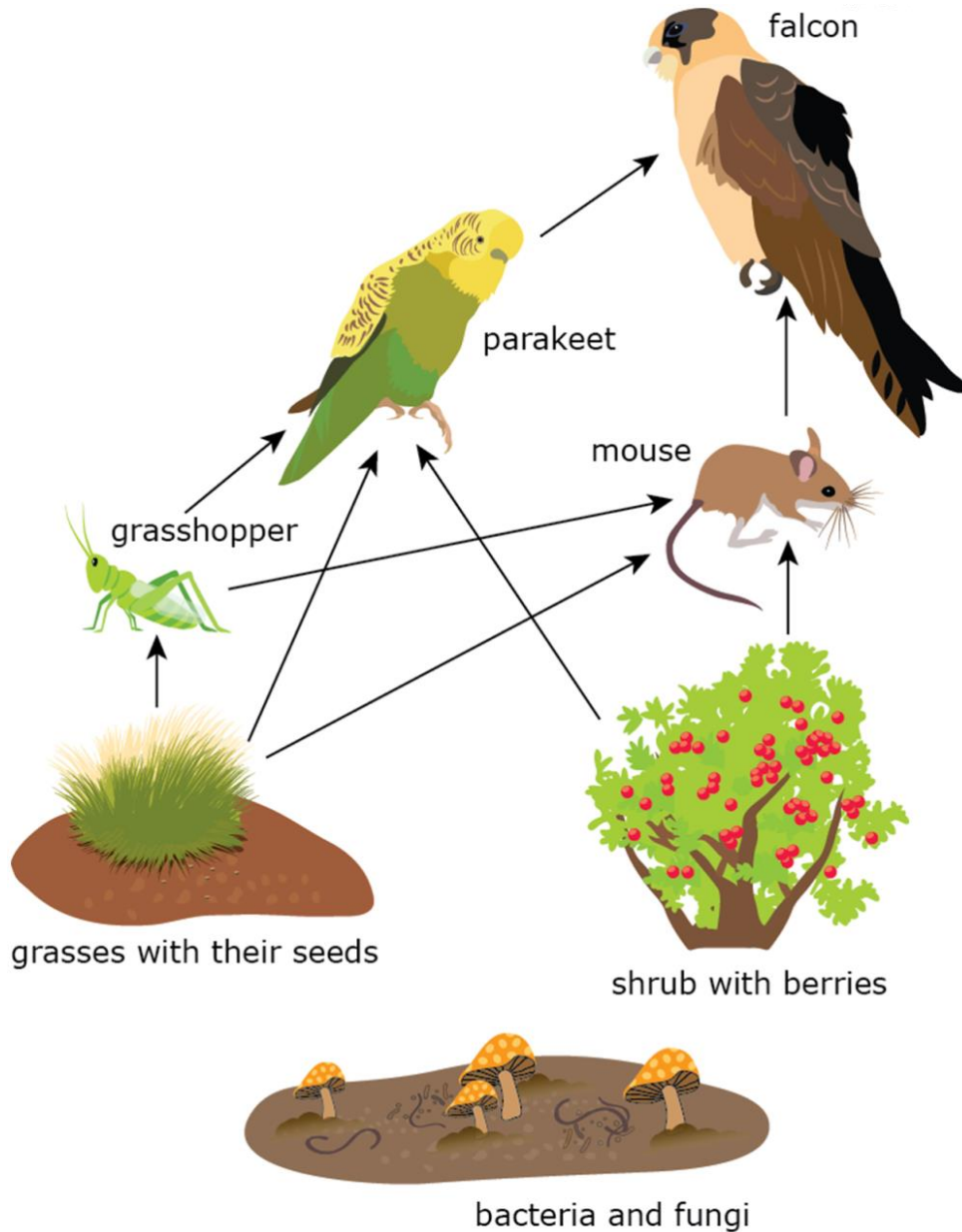
Max is helping to clean up after a picnic. A large cooler filled with ice was used to keep drinks cold. Max tries to move the cooler, but the cooler is too heavy for him to carry.

Max wonders if the cooler will weigh less once the ice inside melts.



Item 15 - Parakeet Ecosystem

Nancy works at the zoo and is in charge of the parakeet exhibit. She has been studying the role of the parakeets in their natural environment. She builds an incomplete model of a food web.



Nancy notices a parakeet nest with several eggs inside and wants to increase the food supply to support the growing parakeet population. One idea is to plant more grass inside the parakeet exhibit by increasing the amount of sunlight.

