



Science Materials Collections

2022-2023 Fall Science Materials Collections Window

Dynamic Learning Maps® (DLM®) testlets sometimes call for the use of specific materials. The Testlet Information Page (TIP) for each testlet identifies these materials. Sometimes materials are required and cannot be substituted, but substitutions are allowed in most cases. If a testlet requires materials, the TIP will state the specific materials mentioned in the testlet and describe their attributes so that test administrators may find appropriate substitutions. For more information about substituting materials, see the TEST ADMINISTRATION MANUAL section titled Prepare to Administer a Testlet and Teacher-Administered Testlets.

The TIP is provided in the Instruction and Assessment Planner in Kite® Educator Portal when each testlet is assigned. Since the teacher chooses which Essential Elements and linkage levels to assess during the assessment, the materials needed or recommended to assess each student are unknown before the testlet is assigned. However, the materials used in different testlets often have common traits. This gives teachers the ability to identify some commonly available objects ahead of time that may be useful when administering science testlets. Teachers may collect these materials and use them during instruction. That way, the most useful materials are familiar to the student and available before the teacher begins assigning testlets in the Instruction and Assessment Planner.

To give test administrators more opportunities to prepare for the science alternate assessment prior to the opening of the assessment window, DLM staff compiled a list of materials commonly needed in science testlets. The tables in this document summarize lists of materials per grade level for general testlets and, where appropriate, for students who are blind or have visual impairments. **Materials may be substituted unless the TIP specifically states, “No substitutions allowed.”**

Hints for using this list

- Look at the whole list for each grade and find materials that can meet multiple purposes. Note the types of materials mentioned more than once.
- Materials substitutions are listed for individual testlets on the TIP.
- Find materials that already exist in the classroom or are easily found in the school building.
- Pick materials that are familiar to the student.
- Remember that in most cases, materials can be substituted if they have the same attributes as those on the list. Examples of possible substitutions are found in Table 1.
- Materials substitutions are listed for individual testlets on the corresponding TIP.
- First and foremost, your student’s safety should be the primary concern when choosing materials or substitutions.

Table 1

Example Science Substitution Materials

Example Materials Description	Possible Substitution
One stuffed animal, one blanket, and one toy car.	Two soft objects and one hard object.
One cup of cold milk and one cup of warm milk.	Two cups of the same drink/liquid. One cup that is warm and one that is cold.

Contained in This Document

- Lists by grade of common materials used in science testlets.
- Lists by grade of common materials that may be used to administer testlets to students who are blind or have visual impairments. Some science testlets are special forms designed for students who are blind or have visual impairments, while others are general testlets that have been adapted to make them more accessible.

Common Materials Used to Administer Testlets for Elementary

- brush
- chapter book
- construction paper
- hat
- highlighter
- ice
- magazine
- melting ice
- notebook paper
- one blanket
- one building block
- one chocolate bar
- one coin
- one crayon
- one eraser
- one ice pack
- one ice pop
- one large book
- one melting chocolate bar
- one melting ice pack
- one melting ice pop
- one melting stick of butter
- one pencil
- one piece of crumpled paper
- one stick of butter
- one stuffed animal
- one toy car
- pen
- shoe
- soccer ball
- sock
- straw
- tennis ball
- textbook
- tissue paper
- yarn ball

Common Materials Used to Administer Testlets for Elementary Students Who Are Blind or Have Visual Impairments

- ice
- melting ice
- one chocolate bar
- one ice pack
- one ice pop
- one melting chocolate bar
- one melting ice pack
- one melting ice pop
- one melting stick of butter
- one stick of butter

Common Materials Used to Administer Testlets for Middle School

- baking soda
- baking soda reacting with orange juice
- baking soda reacting with vinegar
- effervescent tablet reacting with orange juice
- effervescent tablet reacting with water
- one chocolate bar
- one ice pop
- one melting chocolate bar
- one melting ice pop
- orange juice
- two effervescent tablets
- vinegar
- water

Common Materials Used to Administer Testlets for Middle School Students Who Are Blind or Have Visual Impairments

- baking soda
- baking soda reacting with vinegar
- effervescent tablet reacting with water
- ice
- melting ice
- one chocolate bar
- one ice pack
- one ice pop
- one melting chocolate bar
- one melting ice pack
- one melting ice pop
- one melting stick of butter
- one stick of butter
- orange juice
- two effervescent tablets
- vinegar
- water

Common Materials Used to Administer Testlets for High School

- baking soda
- baking soda reacting with orange juice
- baking soda reacting with vinegar
- effervescent tablet reacting with orange juice
- effervescent tablet reacting with water
- five plastic bags full of paper that is crumpled
- one cup of cold juice
- one cup of cold milk
- one cup of cold water
- one cup of iced tea
- one cup of tea at room temperature
- one cup of warm coffee
- one cup of warm juice
- one cup of warm milk
- one cup of warm water
- one cup of water at room temperature
- orange juice
- steel wool
- two effervescent tablets
- vinegar
- water

Common Materials Used to Administer Testlets for High School Students Who Are Blind or Have Visual Impairments

- baking soda
- baking soda reacting with orange juice
- baking soda reacting with vinegar
- effervescent tablet reacting with orange juice
- effervescent tablet reacting with water
- orange juice
- steel wool
- two effervescent tablets
- vinegar
- water