



# Released Testlet

Science.MS.PS3-3.I

Subject: Science

Grade: Middle School

Linkage Level: Initial

Essential Element: Test and refine a device (e.g., foam cup, insulated box, or thermos) to either minimize or maximize thermal energy transfer (e.g., keeping liquids hot or cold, preventing liquids from freezing, keeping hands warm in cold temperatures).

Linkage Level Assessed: Identify objects/materials used to minimize or maximize thermal energy transfer (e.g., gloves, vacuum flask, insulated hot pad holder or foam cup).

Science MS.PS3-3 I

Choose BEGIN to start.

← GO BACK

BEGIN →

The image shows a digital interface for a science testlet. At the top, the text "Science MS.PS3-3 I" is displayed in blue. Below this, a white rectangular box contains the instruction "Choose BEGIN to start." At the bottom of the interface, there are two buttons: a blue button on the left with a left-pointing arrow and the text "GO BACK", and a green button on the right with the text "BEGIN" and a right-pointing arrow.

Educator Directions:

In this testlet, the student will identify objects and materials that minimize thermal energy transfer and objects and materials that maximize thermal energy transfer. You will present the student with pairs of objects and the student will pick the object that helps keep things hot or cold.

Before you begin working with the student, gather the following pictures provided with the Testlet Information Page:

- ski gloves
- latex gloves
- hot pad
- paper napkin
- foam cup
- metal cup



Educator Directions:

Present the pictures to the student in a way that captures the student's attention. For example,

- draw the student's attention to the presence of the pictures.
- talk about what people do with the pictures.
- encourage the student to touch the pictures.

Once the student has attended to the pictures, set all of the pictures aside and continue to the next screen.



Educator Directions:

SHOW: the picture of a pair of ski gloves.

SAY: "This is a pair of gloves."

SHOW: the picture of a pair of latex gloves.

SAY: "This is a pair of gloves."

SHOW: both pictures.

SAY: "Show me which pair of gloves protects your hands from the cold."

BACK 



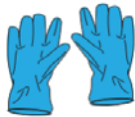
NEXT 

Record student response:

Indicates the ski gloves:



Indicates the latex gloves:



- Indicates both pairs of gloves
- Indicates or attends to other stimuli
- No response

BACK 



NEXT 

Educator Directions:

SHOW: the picture of the metal cup.

SAY: "This is a metal cup."

SHOW: the picture of the foam cup.

SAY: "This is a foam cup."

SHOW: both pictures.

SAY: "Show me which cup would protect your hands from a hot drink."



Record student response:

Indicates the foam cup:



Indicates the metal cup:



Indicates both the foam cup and the metal cup

Indicates or attends to other stimuli

No response



Educator Directions:

SHOW: the picture of the hot pad.

SAY: "This is a cloth pad."

SHOW: the picture of the paper napkin.

SAY: "This is a paper napkin."

SHOW: both pictures.

SAY: "Show me which one protects your hands from a hot pot."



Record student response:

- Indicates the hot pad:



- Indicates the paper napkin:



- Indicates both the cloth pad and the paper napkin
- Indicates or attends to other stimuli
- No response



## Review: Science MS.PS3-3 I -- Section 1

Are you done?

1	2	3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Red boxes  mean you are not done. Ask your teacher for help.

Answered

Not answered

Green checks  mean you are done. You can choose end.

 GO BACK

END 

## Review: Science MS.PS3-3 I -- Section 1

Are you done?

1	2	3
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Red boxes  mean you are not done. Ask your teacher for help.

Green checks  mean you are done. You can choose end.

Are you sure you want to end?

YES

NO

 GO BACK

END 