



Functional Independence Science

Official Released Items

Grade 8

**Fall 2009
Official Released Items**

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The Grade 8 Functional Independence Science Assessment was administered for the first time in Fall 2007. Beginning with this administration, the Office of Educational Assessment and Accountability (OEAA) will annually release a portion of the items that are administered on the assessment. This booklet contains released items from the Fall 2009 administration and is intended to be used by districts to assist in their interpretation of item analysis data. The information contained in this booklet may also be used by schools, teachers, and parents as a resource for understanding the content and format of the assessment items. In addition to MI-Access training materials and Extended Benchmarks (EB), the released items may also have utility in informing decisions related to instruction, curriculum, and assessment. These items are **not** secure and may be copied and distributed as needed.

The table below lists the number of core and released items administered on the Fall 2009 Grade 8 Functional Independence Science Assessment. Core items are those that count toward students' scores. All released items in this booklet were selected from the pool of core items that appeared on the assessment.

Functional Independence Science Grade 8

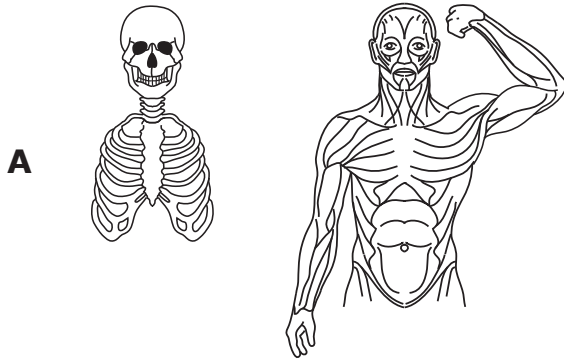
Science Strand	Number of Core Items
Life	14
Physical	14
Earth	8
Constructing	2
Reflecting	2
Total Core Items/Points	40
Released Items	10 (Numbers vary by strand and topic.)

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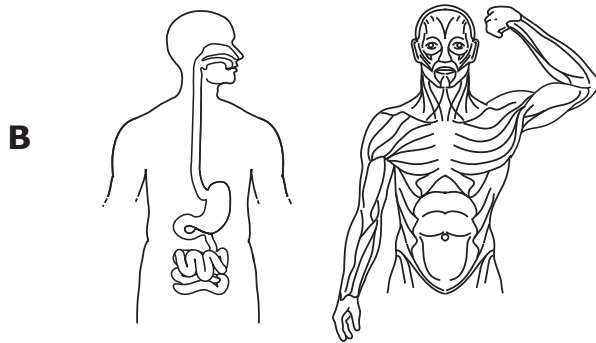
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DIRECTIONS: Read each question. Choose the **BEST** answer for each question.

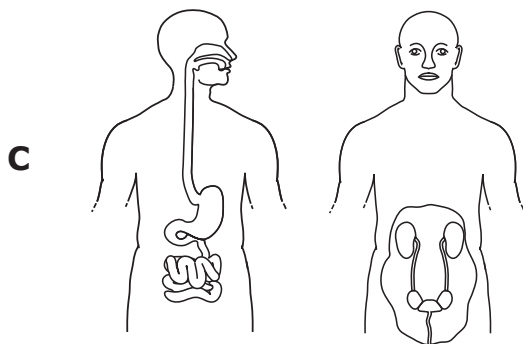
R1 What two body systems work together to break down food and remove waste from the body?



skeletal and muscular



digestive and muscular

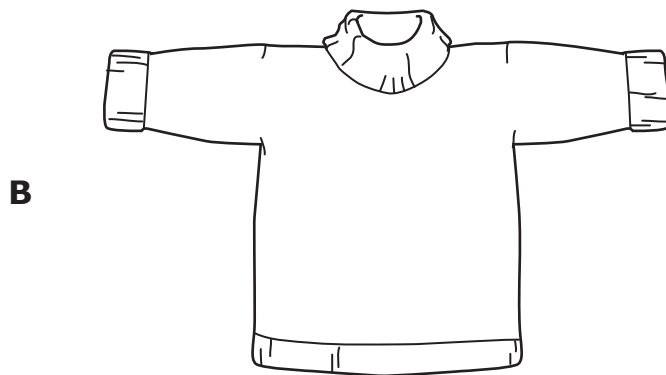


digestive and excretory

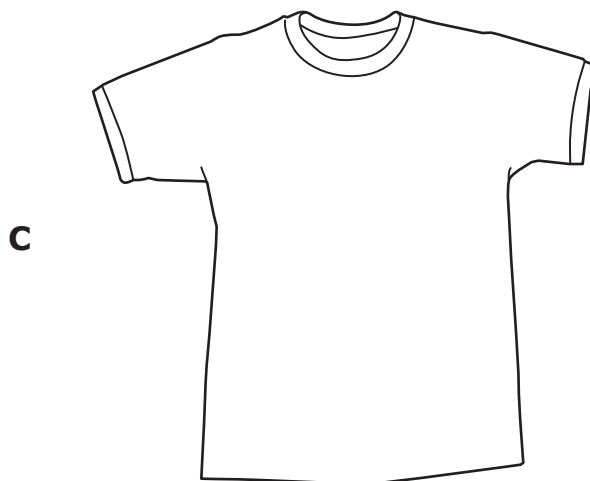
R2 Which of the following was made from a plant?



leather shoes

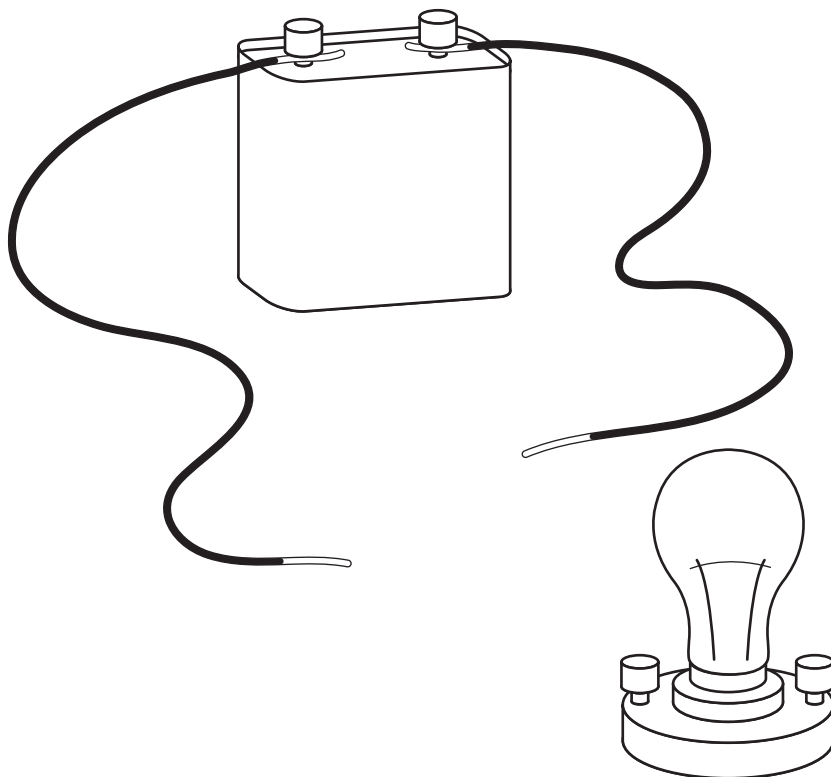


wool sweater



cotton T-shirt

Use the picture below to answer question **R3**.



R3 Jan connects two wires to a battery.

What should Jan do **next** to make the bulb light?

- A** connect the ends of the two wires to each other
- B** connect the ends of the two wires to the same side of the lightbulb socket
- C** connect the ends of the two wires to each side of the lightbulb socket

R4 What is it called when a liquid changes to a gas?

A evaporation

B freezing

C melting

R5 What action would reduce waste?

- A** recycling newspapers
- B** using paper plates
- C** driving instead of walking

R6 What is fog?

- A** snow blowing in the wind
- B** water vapor in the upper atmosphere
- C** clouds forming close to the ground



Do Not Continue.

Below is a list of the Extended Benchmarks (EB) for each released item found in this booklet. The chart contains the EB code, a brief description of what is measured, and the correct answer for each released item.

Full descriptions of the EB contained in the chart below are available for review and download at www.mi.gov/mi-access.

Science			
Released Item Number	EB Code	STRAND or Abbreviated Descriptor/Scoring Focus	Answer Key
		LIFE	
R1	L.OR.FI.EB.III.2.m.4a	Identify how selected systems and processes work together in animals	C
R2	L.EC.FI.EB.III.5.m.5a	Identify how humans use and benefit from plant and animal materials	C
		PHYSICAL	
R3	P.ME.FI.EB.IV.1.m.5a	Construct simple circuits and/or identify how they work in terms of the flow of current	C
R4	P.CM.FI.EB.IV.2.m.1a	Describe common physical changes in matter	A
		EARTH	
R5	E.GE.FI.EB.V.1.e.6ADDm	Identify reasons why it is important to conserve and/or recycle	A
R6	E.HY.FI.EB.V.2.m.2a	Explain the behavior of water on the surface	C



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