

# Functional Independence

## Fall 2012



**Science**

*Item Descriptors*

**Grade 5**

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

- 1 R.RO.FI.EB.II.1.e.3a:** Identify ways in which technology is used in everyday life

Recognize which of 3 electronic-technology objects is used for a specified function

- A** selects the object used for the specified function
- B** selects an object that does not support the specified function
- C** selects an object that does not support the specified function

- 2 R.RO.FI.EB.II.1.e.3a:** Identify ways in which technology is used in everyday life

Identify the best source of reference information to apply for the specified task

- A** does not select the best information, via electronic media, for the task
- B** does not select the best information, via electronic media, for the task
- C** selects the best information, using electronic media, for the task

- 3 L.OR.FI.EB.III.2.e.1a:** Identify characteristics of observable body parts in a variety of animals

Identify the common observable body characteristic among a group of animals

- A** recognizes the common body characteristic that all animals in the group have
- B** selects a body characteristic not common for all animals in the group as drawn
- C** selects a body characteristic not common for all animals in the group as drawn

**4 L.OR.FI.EB.III.2.e.1a:**

Identify characteristics of observable body parts in a variety of animals

Recognize how an animal uniquely uses its observable and common characteristic among other animals with same characteristic

- A** selects an animal that does not use the body characteristic for the specified purpose
- B** identifies the animal that uses the body characteristic for the specified purpose
- C** selects an animal that does not use the body characteristic for the specified purpose

**5 L.OR.FI.EB.III.2.e.3a:**

Identify life cycles of familiar organisms

Recognize a difference between complete and incomplete metamorphosis

- A** selects a development stage common to both complete and incomplete metamorphosis
- B** recognizes the development stage that is missing from incomplete metamorphosis
- C** selects a development stage common to both complete and incomplete metamorphosis

**6 L.OR.FI.EB.III.2.e.4a:**  
Identify the basic life requirements of plants and animals

Recognize that plants display directed growth to obtain essential life requirements

- A** selects a resource toward which a plant does not show directed growth to obtain essential life requirements
- B** selects the basic life requirement for which a plant shows directed growth
- C** selects a resource for which a plant does not show directed growth to obtain essential life requirements

**7 L.OR.FI.EB.III.2.e.4a:**  
Identify the basic life requirements of plants and animals

Recognize the type(s) of organism(s) that have a specified life function

- A** selects an incomplete set of organisms that have the specified life function
- B** selects an incomplete set of organisms that have the specified life function
- C** selects a complete set of organisms that have the specified life function

**8 L.OR.FI.EB.III.2.e.5a:**  
Identify functions of selected seed plant parts

Recognize the function of a specified plant part

- A** selects the process carried out by the specified plant part
- B** selects a process not performed by the specified plant part
- C** selects a process not performed by the specified plant part

**9 L.OR.FI.EB.III.2.e.3a:**

Identify life cycles of familiar organisms

Place the life cycle stages in order for a specified organism

- A** inaccurately orders the life cycle stages
- B** accurately orders the life cycle stages for the organism
- C** inaccurately orders the life cycle stages

**10 L.HE.FI.EB.III.3.e.1a:**

Identify how parents and their young look alike

Recognize which 1 of 3 observable traits is biologically passed from parent to offspring

- A** selects an observable trait that is not passed biologically from parent to offspring
- B** selects the observable trait that is biologically passed from parent to offspring
- C** selects an observable trait that is not passed biologically from parent to offspring

**11 L.HE.FI.EB.III.3.e.1a:**

Identify how parents and their young look alike

Using a listing of the physical features of a parent organism, recognize which feature will most likely occur among the offspring

- A** selects a feature description not likely to be observed among the offspring
- B** selects a feature description not likely to be observed among the offspring
- C** selects the feature description most likely to occur

**12 L.EV.FI.EB.III.4.e.2a:**

Identify how an animal may adapt to its environment

Recognize how specific types of animals adapt to their specified environmental conditions

- A** selects a general statement that does not indicate adaptation to the specified environmental conditions
- B** correctly selects a behavior by the animals that is adaptive to the specified environmental conditions
- C** selects an animal feature that has no bearing on adaptation to the specified environmental conditions

**13 L.EC.FI.EB.III.5.e.2a:**

Identify the basic requirements for all living things to maintain their existence

Recognize which human activity would temporarily benefit a specified organism's survival

- A** selects a human activity that does not benefit the specified organism's survival
- B** selects the human activity that provides some support for the specified organism's survival
- C** selects a human activity that does not benefit the specified organism's survival



**14 L.EC.FI.EB.III.5.e.4a:**  
Identify positive and negative effects of humans on the environment

Recognize the environmental benefit from a specified technological change

- A** selects the environmental issue that benefits from the technological change
- B** selects an environmental issue that does not directly benefit from the technological change
- C** selects an environmental issue that would have some benefit, however not the most benefit, from the technological change

**15 L.EC.FI.EB.III.5.e.1a:**  
Identify familiar organisms as part of a food chain or food web

Identify which of three organisms is a producer

- A** selects a consumer
- B** selects the producer
- C** selects a consumer

**16 P.ME.FI.EB.IV.1.e.1a:**  
Classify common objects and substances

Identify which object has the greatest amount of a specified physical property

- A** selects an object not having the greatest amount of the physical property
- B** selects an object not having the greatest amount of the physical property
- C** selects an object that has the greatest amount of the physical property

**17 P.ME.FI.EB.IV.1.e.2a:** Identify properties of materials that make them useful

Recognize the property providing the primary useful purpose for a specified object

- A** selects a property of the object that is not the object's main purpose
- B** selects a characteristic of the object that is not relevant to its main purpose
- C** selects the property of the object that fulfills the main purpose of the object









**34 E.AW.FI.EB.V.3.e.2a:** Identify and/or describe seasonal changes in Michigan's weather

Recognize the difference in expected weather conditions between 2 specified seasons

- A** selects weather condition differences that are not expected between the 2 specified seasons
- B** selects weather condition differences that are not expected between the 2 specified seasons
- C** selects the weather condition differences that are expected to occur between the 2 specified seasons

**35 E.AW.FI.EB.V.3.e.3a:** Identify and explain appropriate safety precautions during severe weather

Recognize the most appropriate response to take for safety under the specified situation

- A** selects the best behavior response
- B** selects a behavior that leaves the person vulnerable
- C** selects a behavior that leaves the person vulnerable





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