

Fall 2012



Item Descriptors



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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 electronictechnology 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
- 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 selecte

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

18 C.CN.FI.EB.I.1.e.5a: Identify and/or use various sources of scientific information

Recognize the resource that enables access to a specified source of information

- A correctly selects the resource through which access to the information occurs
- **B** selects a resource that does not provide access to the specified information
- **C** selects a resource that does not provide access to the specified information
- 19 C.CN.FI.EB.I.1.e.1a: Identify and/or generate questions about the world based on observation

Recognize the question that applies to the specified research topic

- A selects an off topic question
- **B** selects the question that directly relates to the purpose for the investigation
- **C** selects an off topic question

20 P.ME.FI.EB.IV.1.e.5a: Identify possible electrical hazards to be avoided at home and at school

Recognize the safest action to remove power from a specified device after the device becomes disabled

- A selects an action to remove power that is not safe
- **B** selects the safest action to remove power from the specified device
- **C** selects an action to remove power that is not safe

21 P.CM.FI.EB.IV.2.e.1a: Identify common physical changes in matter

Recognize the action that will cause a specified physical change in state of a specified material

- A selects an action that will not bring about the specified change in state
- B selects the action that will produce the specified change in state for the specified material
- c selects an action that will not bring about the specified change in state

22 P.CM.FI.EB.IV.2.e.2a:

Prepare mixtures and separate them into their component parts

Recognize the lab technique that will accomplish a specified task

- A selects a lab technique that does not address the specified task
- **B** selects a lab technique that does not address the specified task
- c selects the lab technique that will accomplish the specified task

23 P.CM.FI.EB.IV.2.e.2a:

Prepare mixtures and separate them into their component parts

Recognize which mixture example can be separated by the specified tool

- A selects a mixture that the tool can not separate
- **B** selects a mixture that the tool can not separate
- c selects the mixture that the tool can separate into two components

24 P.CM.FI.EB.IV.2.e.2a:

Prepare mixtures and separate them into their component parts

Recognize the process required to separate a specified mixture into two components

- A selects the process that will separate the mixture into two components
- **B** selects a process that will not separate the mixture
- **C** selects a process that will not separate the mixture

25 P.MO.FI.EB.IV.3.e.3a:

Identify patterns of interaction of magnetic materials

Understand the basis of how a compass detects direction

- A selects a description of compass construction that will not enable a compass to function
- **B** selects a description of compass construction that will not enable a compass to function
- c selects a description of compass construction that enables a compass to detect a direction

26 P.MO.FI.EB.IV.3.e.4a:

Identify and/or use simple machines to change effort

Given 3 types of tools, recognize which tool represents a specified simple machine

- A selects a tool that is not an example of the specified simple machine
- **B** selects the tool that is an application of the specified simple machine
- c selects a tool that is not an example of the specified simple machine

27 P.WV.FI.EB.IV.4.e.1a:

Describe sounds in terms of their properties

Recognize how a specified action affects the property of the sound from a specified object

- A selects a change in sound property that does not occur from action on the source of the sound
- B selects the correct change in sound property by the action taken on the source of the sound
- c selects a change in sound property that does not occur from action on the source of the sound

28 P.WV.FI.EB.IV.4.e.2a:

Identify and/or recognize how sounds are made

Recognize a essential requirement for sound to occur

- A selects a physical condition that does not necessarily produce a sound
- **B** selects a physical condition that does not necessarily produce a sound
- **C** selects a condition required for a sound to occur

29 E.GE.FI.EB.V.1.e.3a: Identify and/or describe changes in the earth's surface

Recognize an event that leads to a specified change in Earth's surface

- A selects the geophysical event that leads to the change
- **B** selects a weather event that has no relation to the specified change
- c selects a weather event that has no relation to the specified change

30 P.WV.FI.EB.IV.4.e.3a:

Identify and/or use prisms and filters with light sources to produce various colors

Recognize the atmospheric component through which light must pass to produce a natural phenomenon

- A selects an atmospheric component light does not pass through
- B selects the correct atmospheric component which light passes through in order to produce the phenomenon
- c selects an atmospheric component that is not involved with the phenomenon
- **31 E.GE.FI.EB.V.1.e.2a:** Identify types of earth materials

Recognize which Earth material will best apply to the specified task

- A selects the Earth material that will best fulfill the specified task
- B selects an Earth material that will not fulfill the specified task
- c selects an Earth material that will not fulfill the specified task

32 E.HY.FI.EB.V.2.e.1a: Identify the three states of water on earth

Given three different drawings of specific features found either on Earth's surface or Earth's atmosphere, recognize the drawing that represents a common Earth resource

- A selects the drawing that represents the common Earth resource
- B selects a drawing that does not represent the common Earth resource
- C selects a drawing that does not represent the common Earth resource
- **33 E.HY.FI.EB.V.2.e.2a:** Trace the path that rain water follows after it falls

Recognize the path that water will flow

- A selects a path that the water will not follow
- **B** selects a path that the water will not follow
- c selects the downhill path that the water will follow

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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