Alaska Department Of Education & Early Development
Assessment & Accountability Unit

Practice Test

Alternate Assessment - SCIENCE
SCORING PROTOCOL

Student Name: _____

Student Grade: _____

Alaska State Student ID: _____

District Student ID (optional): _____

District Name: _____

School Name: _____

Teacher Name: _____

Qualified Assessor Name: _____

Date Test Completed:_____

ALTERNATE ASSESSMENT - SCIENCE GENERAL INSTRUCTIONS

Science Permissible Accommodations Guidelines – Alaska Alternate Assessment

Follow the directions detailed in the scoring protocol for each item. Text printed in **bold** in the Scoring Protocol should be read as written to the student. Assessors may repeat the student prompt if needed. Do not read the captions to pictures unless explicitly instructed to do so in the item instructions.

Examples of Task Accommodation (Should be familiar to student, used in instruction):

- Enlarging the pictures for a student with limited vision
- Providing colored pictures or photographs
- Providing real objects from the classroom
- Allowing students to use assistive devices/supports
- Prompting after a delay with no response
-

Examples of Task Modification:

- Naming the pictures when the student materials label the picture as “Picture 1, Picture 2, Picture 3” and having the student repeat what the Assessor said
- Physically guiding student
- Providing students with smaller number of responses
- Providing student with a smaller number of tasks

Administration: Make sure the Assessor:

- Places the proper series of cards one at a time in front of the student
- Masks or removes cards already presented and places them face down to limit distractions
- Allows student to make corrections, if the student requests
- Records each student response discreetly as it is provided
- Maintains a neutral tone
- Prompts if there is a delay with no response

Scoring:

- *Note:* There are no partial credits; the score for a completely correct answer is 2 points, a partially correct answer or an incorrect answer both earn 0 points.

TASK 1.4: CONCEPTS OF PHYSICAL SCIENCE - ADMINISTRATION

Directions

For this task the administrator will need the materials for Task 1.4 located in the student materials. Say to the student, **"I will show you some pictures and ask you some questions about them."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here is a picture of a fire. Is a fire cold, hot, or soft?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are pictures of a basketball, a saw, and a book. Which one is made of paper?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of a telephone, a toaster, and a switch. Which one shows how to turn on a light bulb?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are pictures of milk, a banana, and pizza. Which picture shows a liquid?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a can, ice cubes, and a juice box. Which picture shows ice?"**

Item 6: Present the student with the materials for Item 6. Say, "**Here are 3 pictures, 1, 2, and 3. Which picture shows a book dropping to the floor?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 1.4: CONCEPTS OF PHYSICAL SCIENCE - SCORING

1.4 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**Is a fire cold, hot, or soft?** (hot)		/2	
2	**Which one is made of paper?** (book)		/2	
3	**Which one shows how to turn on a light bulb?** (switch)		/2	
4	**Which picture shows a liquid?** (milk)		/2	
5	**Which picture shows ice?** (ice cubes)		/2	
6	**Which picture shows a book dropping to the floor?** (2)		/2	

Notes/Comments:

TASK 2.4: CONCEPTS OF LIFE SCIENCE - ADMINISTRATION

Directions

Locate the materials for Task 2.4 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here are pictures of a fox, cat, and rabbit. Which picture shows the parent of a bunny?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are pictures of a fish, cake, and an ice cream cone. Which one develops from parents?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of a rabbit, bear, and whale. Which animal lives in water?"**

Item 4: Present the student with the materials for Item 4. Say, "**Here are pictures of a cow, a monkey, and a zebra. Which animal can climb a tree?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a basketball, a plant, and a pencil. Which picture shows a living thing?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here are pictures of a cow, a monkey, and a pencil. Which one is non-living?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 2.4: CONCEPTS OF LIFE SCIENCE - SCORING

2.4 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**Which shows the parent of a bunny?** (rabbit)		/2	
2	**Which one develops from parents?** (fish)		/2	
3	**Which animal lives in water?** (whale)		/2	
4	**Which animal can climb a tree?** (monkey)		/2	
5	**Which picture shows a living thing?** (plant)		/2	
6	**Which one is non-living?** (pencil)		/2	

Notes/Comments:

TASK 3.4: CONCEPTS OF EARTH SCIENCE - ADMINISTRATION

Directions

Locate the materials for Task 3.4 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here are three pictures, 1, 2, and 3. Which picture shows soil or dirt?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are three pictures, 1, 2, and 3. Which picture shows when the weather is wet?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of weather showing cloudy, sunny, and snowy. Which picture shows when it is likely to be hot?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are three pictures, 1, 2, and 3. Which picture shows a river?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are three pictures, 1, 2, and 3. Which picture shows a forest?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here is a picture of the Sun, an ice cube, and the Moon. Which one are you most likely to see when it is daylight?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 3.4: CONCEPTS OF EARTH SCIENCE - SCORING

3.4 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**Which picture shows soil or dirt?** (picture 2)		/2	
2	**Which picture shows wet weather?** (picture 1)		/2	
3	**When it is likely to be hot?** (sunny)		/2	
4	**Which picture shows a river?** (picture 1)		/2	
5	**Which picture shows a forest?** (picture 3)		/2	
6	**Most likely to see when daylight?** (Sun)		/2	

Notes/Comments:

TASK 4.4: HISTORY AND NATURE OF SCIENCE, SCIENCE AND TECHNOLOGY - ADMINISTRATION

Directions

Locate the materials for Task 4.4 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here are three pictures of a bowl with water. What happens if the bowl of water gets tipped on its side? Does the** (read and point to each caption) **water stay the same, water spill out, or does the water go to the top?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are three pictures of a bowl with water. What happens when a metal spoon is dropped in a bowl with water? Does the** (read and point to each caption) **spoon float in the middle, float on top, or does the spoon sink to the bottom?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures with captions that read: the apple falls to the ground, the apple floats up into the air, and the apple moves to the side. Which way will the apple go when it is dropped?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are three pictures, 1, 2, and 3. Which one is grass?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a flower, paper, and a tree. Which one does wood come from for making a pencil?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here are pictures of a pencil, a key, and a microscope. Which one would you use to write on a piece of paper?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 4.4: HISTORY AND NATURE OF SCIENCE, SCIENCE AND TECHNOLOGY - SCORING

4.4 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**What happens if the bowl of water gets tipped on its side?** (water spills out)		/2	
2	**What happens when a metal spoon is dropped in a bowl with water?** (sinks to the bottom)		/2	
3	**Which way will the apple go when it is dropped?** (The apple falls to the ground.)		/2	
4	**Which one is grass.** (3)		/2	
5	**Which one does wood come from for making a pencil?** (tree)		/2	
6	**What would you use to write on a piece of paper?** (pencil)		/2	

Notes/Comments:

TASK 4.8: SCIENCE AND TECHNOLOGY - ADMINISTRATION

Directions

Locate the materials for Task 4.8 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here are pictures of a shirt, pants, and a cap. What would someone wear to protect their eyes from the sun?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are pictures of a screw driver, a pencil, and a test tube. Which tool would you use to write on a piece of paper?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of a saw, a screw driver, and a magnet. Which tool would best attract a piece of metal?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are pictures of a plate, a fork, and a bowl. Which of these would you use to bring food to your mouth?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a hammer, a saw, and a wrench. Which tool would you use to pull nails out of a board?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here are pictures of a washing machine, a television, and a stove. Which picture shows something you can cook food on?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 4.8: SCIENCE AND TECHNOLOGY - SCORING

4.8 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**What would someone wear to protect their eyes from the sun?** (cap)		/2	
2	**Which one to write on a piece of paper?** (pencil)		/2	
3	**Which tool would best attract a piece of metal?** (magnet)		/2	
4	**Which of these would you use to bring food to your mouth?** (fork)		/2	
5	**Which tool would you use to pull nails out of a board?** (hammer)		/2	
6	**Which picture shows something you can cook food on?** (stove)		/2	

Notes/Comments:

TASK 1.10: CONCEPTS OF PHYSICAL SCIENCE - ADMINISTRATION

Directions

Locate the materials for Task 1.10 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Ice cream is made up of many different things. Here are pictures of pizza, milk, and cake. Which picture shows something that goes into making ice cream?"**

Item 2: Present the student with the materials for Item 2. Say, **"Pizza is made up of many ingredients. Here are pictures of pepperoni, flour, and an ice cube. Which two pictures show what goes into making a pizza?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of a light bulb, a plant, and a person. Which one runs on electricity?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are pictures of a switch, a gas can, and an electrical outlet. Which picture shows what we would plug a microwave into?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a cloud, water, and a pencil. Which picture shows something that is a solid?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here are pictures of ice cubes, water, and a boat. Which picture shows something that is a liquid?"**

Item 7: Present the student with the materials for Item 7. Say, **"Here are three pictures of a ball going up a hill, on flat ground, and going down a hill. Which picture shows the fastest way the ball could be rolled?"**

Item 8: Present the student with the materials for Item 8. Say, **"Here is a picture of an ice cream cone melting. When the ice cream cone melts, which way do the drops of ice cream melt, up, down, or sideways?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 1.10: CONCEPTS OF PHYSICAL SCIENCE - SCORING

1.10 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**Which picture shows something that goes into making ice cream?** (milk)		/2	
2	**Which two pictures show what goes into making pizza?** (pepperoni and flour)		/2	
3	**Which one runs on electricty?** (light bulb)		/2	
4	**Which picture shows what we would plug a microwave into?** (electrical outlet)		/2	
5	**Which picture shows something that is a solid?** (pencil)		/2	
6	**Which picture shows something that is a liquid?** (water)		/2	
7	**Which picture shows the fastest way the ball could be rolled?** (down a hill)		/2	
8	**Which way do the drops of ice cream melt?** (down)		/2	

Notes/Comments:

TASK 2.10: CONCEPTS OF LIFE SCIENCE - ADMINISTRATION

Directions

Locate the materials for Task 2.10 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here are pictures of parent dogs, and three puppies: puppy #1, puppy #2, and puppy #3.** (point to pictures as they are being read) **Which puppy inherited the spots?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are pictures of a cat, a dog, and a cow.** (point to pictures) **Which animal is the puppy's parent?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of a lion, a monkey, and a zebra. Which animal has adapted a tail to help it climb trees?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are pictures of a dog, a bird, and a tiger. Which animal has adapted wings to fly?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a horse, a bear, and a zebra. Which animal is an omnivore, or an animal that eats both plants and animals?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here are pictures of a horse, a bear, and a lion. Which animal is an herbivore, or an animal that only eats plants?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 2.10: CONCEPTS OF LIFE SCIENCE - SCORING

2.10 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**Which puppy inherited the spots?** (puppy #2)		/2	
2	**Which animal is the puppy's parent?** (dog)		/2	
3	**Which animal has adapted a tail to help it climb trees?** (monkey)		/2	
4	**Which animal has adapted wings to fly?** (bird)		/2	
5	**Which animal is an omnivore?** (bear)		/2	
6	**Which animal is an herbivore?** (horse)		/2	

Notes/Comments:

TASK 3.10: CONCEPTS OF EARTH SCIENCE - ADMINISTRATION

Directions

Locate the materials for Task 3.10 in the student materials. Say, **"I will show you some pictures and ask you some questions."** Present the student with the materials one item at a time. Picture labels must be read aloud to the student. Prompt after a delay with no response. Record student responses and scores in the scoring box.

Item 1: Present the student with the materials for Item 1. Say, **"Here are pictures of forests, mountains, and flowers. Which picture shows where big rocks are made from?"**

Item 2: Present the student with the materials for Item 2. Say, **"Here are three pictures of rocks, 1, 2, and 3. Which picture shows rocks that are the least weathered?"**

Item 3: Present the student with the materials for Item 3. Say, **"Here are pictures of sunny, rainy, and cloudy. Which picture shows when the weather is wet?"**

Item 4: Present the student with the materials for Item 4. Say, **"Here are pictures of cloudy, rainy, and snowy weather. Which picture shows water in a state of gas?"**

Item 5: Present the student with the materials for Item 5. Say, **"Here are pictures of a lake, a river, and water. Which picture best shows water that will cause change to the land?"**

Item 6: Present the student with the materials for Item 6. Say, **"Here are pictures of the Sun, Moon, and Saturn. Which one orbits around the earth?"**

Item 7: Present the student with the materials for Item 7. Say, **"Here are pictures of the Moon, Sun, and Saturn. In the winter, which one shines brightest during the night?"**

Item 8: Present the student with the materials for Item 8. Say, **"Here are pictures of the Moon, Sun, and Saturn. Which one is a star?"**

Scoring:

For all items in this task:	Correct response	= 2
	Incorrect response	= 0

TASK 3.10: CONCEPTS OF EARTH SCIENCE - SCORING

3.10 - Scoring				Notes
Item	**Question** (Answer)	Student Response	Points	
1	**Which picture shows where big rocks are made from?** (mountains)		/2	
2	**Which picture shows rocks that are the least weathered?** (picture 1)		/2	
3	**Which picture shows when the weather is wet?** (rainy)		/2	
4	**Which picture shows water in a state of gas?** (cloudy)		/2	
5	**Which picture best shows water that will best cause change to the land?** (river)		/2	
6	**Which one orbits around the earth?** (Moon)		/2	
7	**In the winter, which one shines brightest during the night?** (Moon)		/2	
8	**Which one is a star?** (Sun)		/2	

Notes/Comments: