Grade 2 | SCIENCE

WEEK 36 • END-OF-YEAR ASSESSMENT • DAYS 176–180

Read the directions for each day in the Week 36 Student Textbook. Answer on your own; an adult may read the directions and questions aloud but should not give the answers. Type each answer in the box below its question and save a copy. Do measuring, drawing and the Day 179 task on a printed page.

Name: _____ Date: _____

Day 176: Part A: Matter and Materials

Material properties and a bridge test (make-believe data)

Material	Color	Hard or soft	Bends easily?
Wood block	Brown	Hard	No
Cotton ball	White	Soft	Yes
Foil	Silver	Soft	Yes

Bridge material	Pennies held before it sagged
Paper	4
Cardboard	12
Foil	6

Answer on your own. An adult may read the directions and questions aloud but should not give the answers.
A1. Sort these into two groups, bends easily and does not bend: a rubber band, a metal spoon, a pipe cleaner, a rock, a sheet of paper.

A2. Use the property table. Describe the cotton ball with two properties.

A3. Which material is best for a raincoat: paper, cotton cloth or plastic? Give evidence.

A4. Use the bridge test. Which material made the strongest bridge? How do you know?

A5. A tower is built from 10 blocks. Tell how you could use the same blocks to make a new object.

A6. Can each change be undone? Write yes or no: ice melting into water; an egg being cooked; chocolate melting; bread being toasted.

Day 177: Part B: Living Things

Pea plant test (a make-believe class's data, after two weeks)

Pot	Light	Water	Looks
A	Sunny window	Yes	Green and strong
B	Dark cupboard	Yes	Pale and floppy
C	Sunny window	No	Brown and wilted

Answer on your own. An adult may read the directions and questions aloud but should not give the answers.

B1. Use the pea plant data. What two things do plants need to grow healthy?

B2. Write a conclusion about light. Use because.

B3. A child taps a pipe cleaner "bee" on a paper flower dusted with chalk, then taps a second flower. What happens to the chalk, and what does this model show?

B4. Tell one way an animal helps move seeds to a new place.

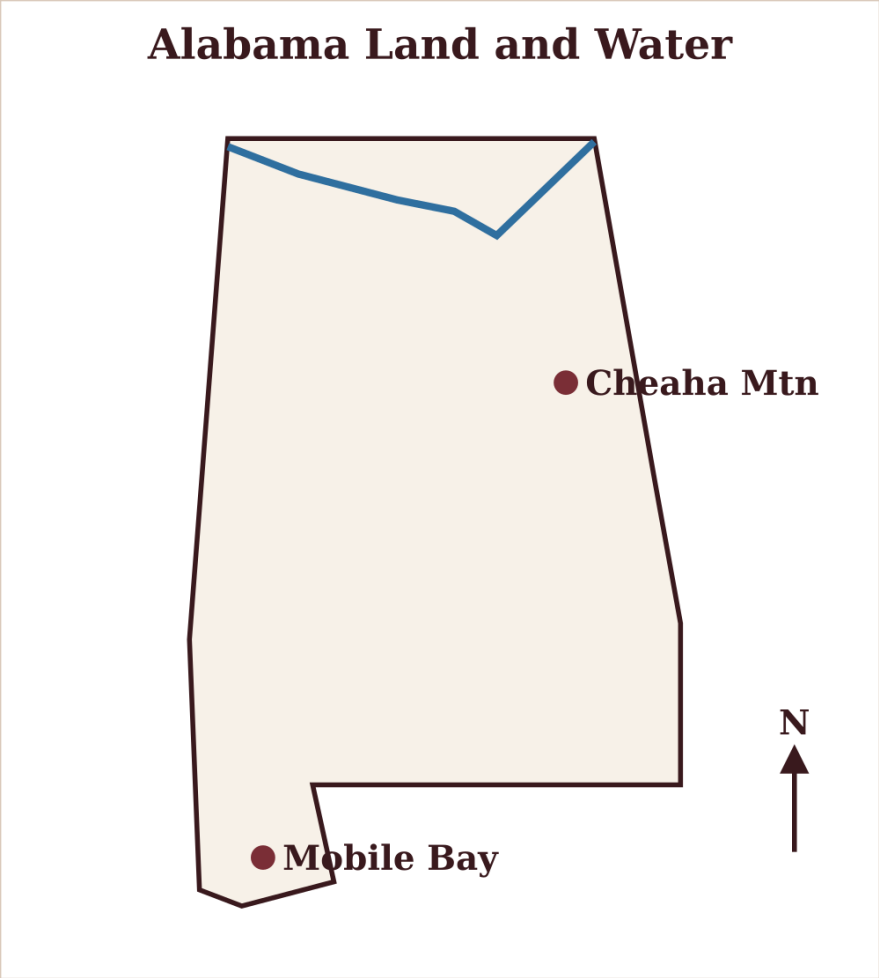
B5. A class counted kinds of living things: a pond had 9 kinds and a parking lot had 3 kinds. Which place has more kinds, and how many more?

B6. Match each living thing to its Alabama home: gopher tortoise, Alabama red-bellied turtle, Cahaba lily. Homes: the Cahaba River, the Mobile-Tensaw Delta, a longleaf pine forest.

Day 178: Part C: Earth's Land and Water

Hill test with three covers (make-believe data)

Hill	Cover	Spoonfuls of soil washed off
A	Bare soil	10
B	Grass	3
C	Small rock wall	5



Answer on your own. An adult may read the directions and questions aloud but should not give the answers.

C1. On the Alabama map, what does the blue line across the north show? Which labeled place is a landform?

C2. A tray model has: a high pile of sand, low land between two piles, water flowing in a long path, a pool with land all around, and land with water all around. Name each.

C3. Name one place where water is found as a solid and one place where it is found as a liquid.

C4. Is most of Earth's water salt water or fresh water? Where is most of it?

C5. Sort into fast or slow changes: a volcano erupting, a river carving a canyon, a landslide, rain wearing down a rock.

C6. Use the hill test. Which cover worked best to stop erosion? Compare it with one other cover.

Day 179: Performance Task: My Fair Test

Task: my fair test: which wrap keeps ice frozen longest?

1. Write a question you can test about the three wraps.
2. Wrap each ice cube in a different material: foil, the wool sock and the paper towel. Keep everything else the same: same-size cubes, same plates, same spot.
3. After 30 minutes, unwrap each cube and record how much ice is left (a lot, some or a little) in the table.
4. Compare the three results.
5. Write a conclusion that matches your data. Then dry the plates and throw away the wet paper towel.

Wrap	Ice left after 30 minutes
Foil	____
Wool sock	____
Paper towel	____

My conclusion:

Day 180: Part D: Mixed Review and a Year Reflection

Answer on your own. An adult may read the directions and questions aloud but should not give the answers.

D1. A log is burned to ash, and a cup of water is frozen into ice. Which change can be undone? Explain.

D2. A child takes apart a block house and builds a car from the same blocks. What stays the same? What changes?

D3. Smooth, rounded rocks lie in a riverbed. What slow change do they show?

D4. Rain washes soil off a school's bare hill. Choose a solution and explain how it helps.

D5. Put a spoonful of water on a paper towel and a spoonful on a piece of foil. (a) Record what happens to each. (b) Which is better for wiping up a spill, and why?

D6. (a) What do plants need from where they live? (b) Tell one way animals help plants.

My year in science: the experiment I liked best, and one question I still wonder about.