EARTH'S FOUR SPHERES

Teacher guide | A cut-and-stack flip book

Print pages 2-6 for each student: single-sided, landscape, actual size (100%).

Keep this page. Students need scissors, two staples, a pencil, and colored pencils.

BUILD IT

1. Complete the pages before assembling the book.
2. Cut along each page's outside rectangle. The pages get longer.
3. Stack: cover, atmosphere, hydrosphere, geosphere, biosphere. Align top edges.
4. Staple twice through the top band. Four colored tabs should show below the cover.

SAMPLE RESPONSES

ATMOSPHERE	Gases surrounding Earth. Examples: nitrogen, oxygen, wind. Connection: animals breathe oxygen from the atmosphere.
HYDROSPHERE	All Earth's water, including ice and water vapor. Examples: rivers, ice, oceans. Connection: rainwater wears away rock in the geosphere.
GEOSPHERE	Earth's solid parts: rocks, minerals, and land. Examples: mountains, sand, rocks. Connection: plant roots grow into cracks in rock.
BIOSPHERE	All living things on Earth. Examples: trees, insects, people. Connection: fish live in water in the hydrosphere.

Support option: dictate responses, copy key words, or label drawings with an adult.

TOP EDGE | Stack here. Staple twice in this band.

EARTH'S SYSTEMS

FOUR SPHERES,

ONE CONNECTED PLANET

Name: _____ **Class:** _____

ATMOSPHERE	HYDROSPHERE	GEOSPHERE	BIOSPHERE

Look closely. Draw examples. Discover connections.

Lift each tab to explore a part of our planet.

Cut around the outside rectangle. Keep the entire top binding band. Do not fold.

TOP EDGE | Stack here. Staple twice in this band.

ATMOSPHERE

Think about air and gases.

DRAW + LABEL

Show two examples of this sphere.

Need an idea? Picture air moving leaves.

IN MY OWN WORDS

This sphere includes...

MAKE A CONNECTION

This sphere interacts with the

sphere when...

1 ATMOSPHERE

Cut around the outside rectangle. Keep the entire top binding band. Do not fold.

TOP EDGE | Stack here. Staple twice in this band.

HYDROSPHERE

Think about water in any form.

DRAW + LABEL

Show two examples of this sphere.

Need an idea? Picture rain falling onto rocks.

IN MY OWN WORDS

This sphere includes...

MAKE A CONNECTION

This sphere interacts with the

sphere when...

Cut around the outside rectangle. Keep the entire top binding band. Do not fold.

TOP EDGE | Stack here. Staple twice in this band.

GEOSPHERE

Think about rocks and land.

DRAW + LABEL

Show two examples of this sphere.

Need an idea? Picture roots growing between rocks.

IN MY OWN WORDS

This sphere includes...

MAKE A CONNECTION

This sphere interacts with the

sphere when...

Cut around the outside rectangle. Keep the entire top binding band. Do not fold.

TOP EDGE | Stack here. Staple twice in this band.

BIOSPHERE

Think about living things.

DRAW + LABEL

Show two examples of this sphere.

Need an idea? Picture a fish swimming in water.

IN MY OWN WORDS

This sphere includes...

MAKE A CONNECTION

This sphere interacts with the

sphere when...

Cut around the outside rectangle. Keep the entire top binding band. Do not fold.