

EARTH SCIENCES



STATIC ELECTRICITY

Kids will explore how static electricity in clouds leads to lightning.



CLOUD IN A JAR

Explore weather science with this quick and easy cloud activity.

STORMWATER RUNOFF

Explore stormwater runoff with a hands-on science activity.



EDIBLE ROCK CYCLE

Yum! Use food to model how rocks change through the rock cycle.



OIL SPILL CLEANUP

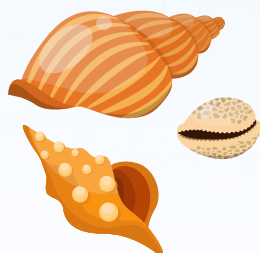
This oil spill activity makes the concept of ocean pollution hands-on and engaging for kids.

DIY COMPOST JAR

This mini compost bin for kids is a simple, hands-on way to explore how food waste breaks down and becomes nutrient-rich soil.

ACID RAIN EXPERIMENT

This simple acid rain experiment uses flowers, water, and vinegar to model what happens when rain becomes acidic.



OCEAN ACIDIFICATION

This simple experiment shows exactly what happens when a shell is exposed to acid—and helps kids understand a real-world environmental issue called ocean acidification.



ROCK OBSERVATION LAB

Compare rock color, texture, shape, size, and other properties.
SCIENCE FOCUS: Observation, comparison, and Earth materials



SOIL EROSION INVESTIGATION

Compare bare soil and with plant cover to see how water moves soil.
SCIENCE FOCUS: Erosion, land change, and plant cover



WIND INVESTIGATION

Observe wind strength\direction and look for evidence of moving air.
SCIENCE FOCUS: Weather, wind, and observation



WATER CYCLE INVESTIGATION

Make a water cycle bag and observe evaporation and condensation.
SCIENCE FOCUS: Water cycle and weather



DAY AND NIGHT INVESTIGATION

Use a flashlight and globe or ball to model how Earth's rotation creates day and night.
SCIENCE FOCUS: Earth's rotation and patterns in the sky

AT THE END OF THE WEEK, ASK:

- What did you observe?
- What evidence did you collect?
- What pattern did you notice?
- Which investigation surprised you?
- What new fall science question would you like to investigate?

SCIENCE INVESTIGATION PLANNER

PLAN YOUR EXPERIMENT LIKE A SUPER SCIENTIST

INVESTIGATION TITLE

QUESTIONS

MATERIALS

PREDICTIONS

SCIENCE INVESTIGATION PLANNER

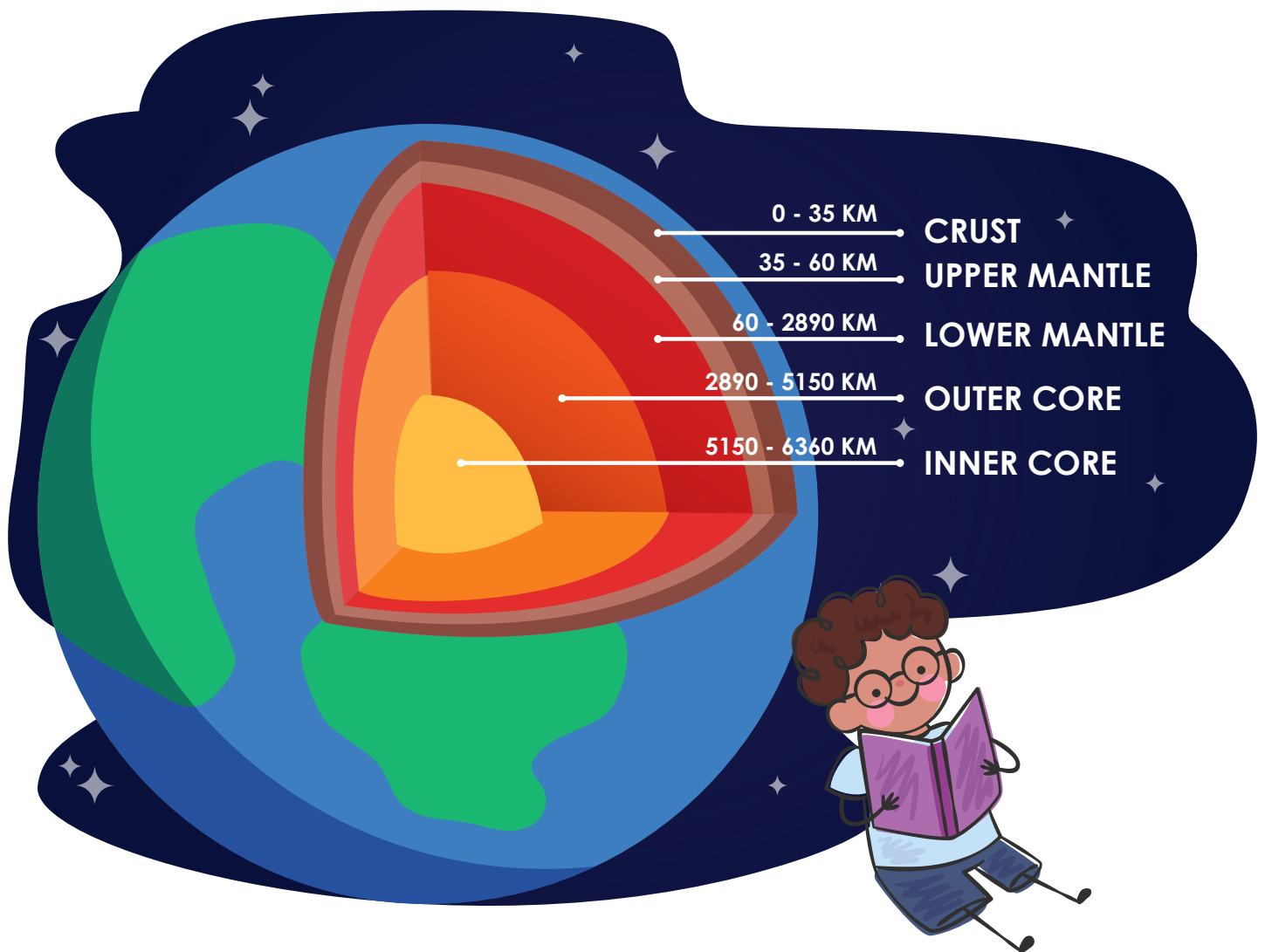
PLAN YOUR EXPERIMENT LIKE A SUPER SCIENTIST

OBSERVATIONS

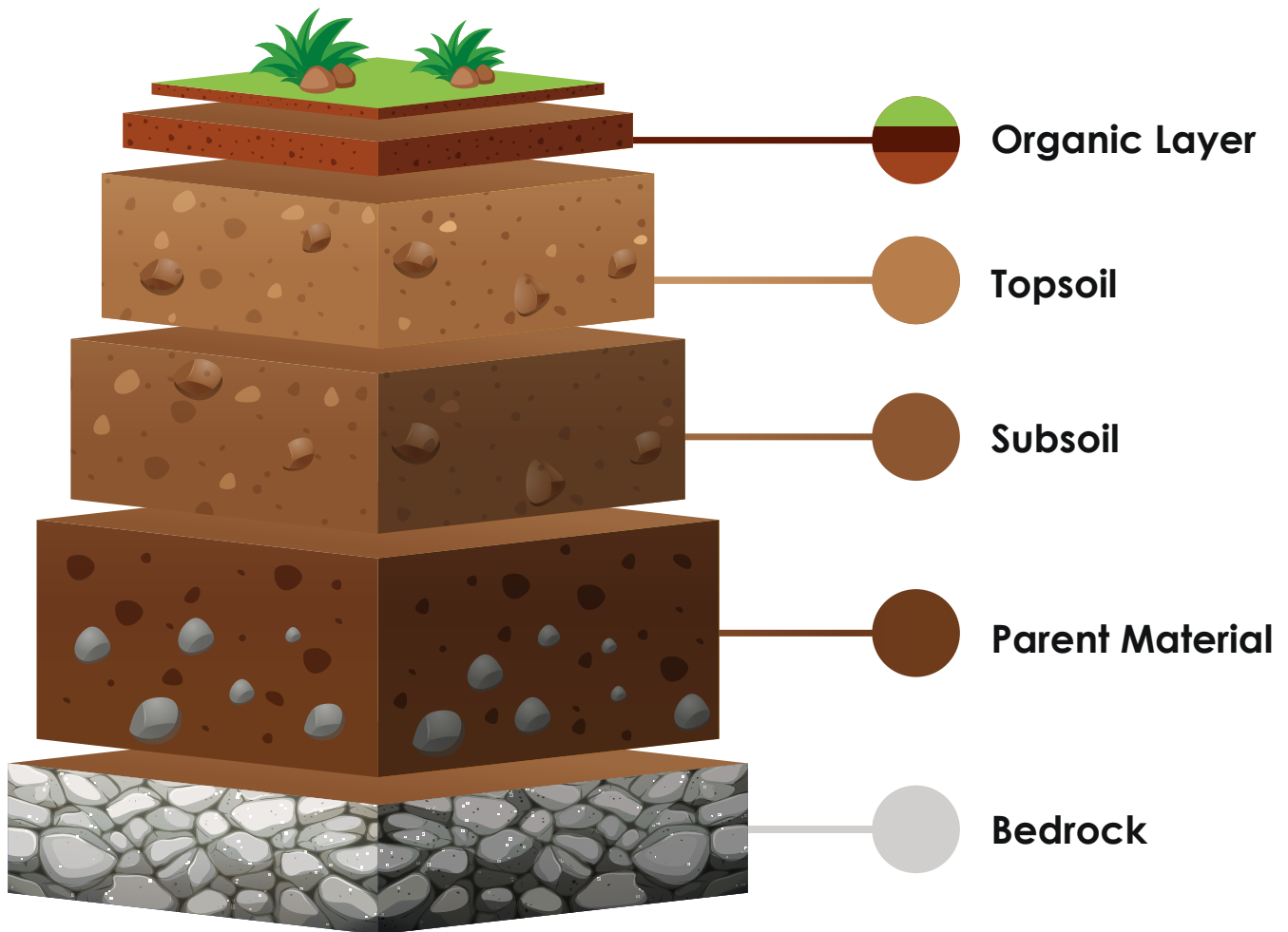
RESULTS

WHAT I LEARNED

Layers of the Earth



Soil Layers on Earth



Name: _____

Layers of the Earth

Directions: Cut out each characteristic and under its proper heading.

Crust	Mantle	Core

has an inner and
outer portion

is as hot as the
sun

thickest layer of
earth

the outermost
layer

thinnest layer of
the earth

made mostly of
granite and rocks

five times hotter
than boiling water

deepest layer of
earth

made mostly of
nickel and iron

made of solid and
melted rock

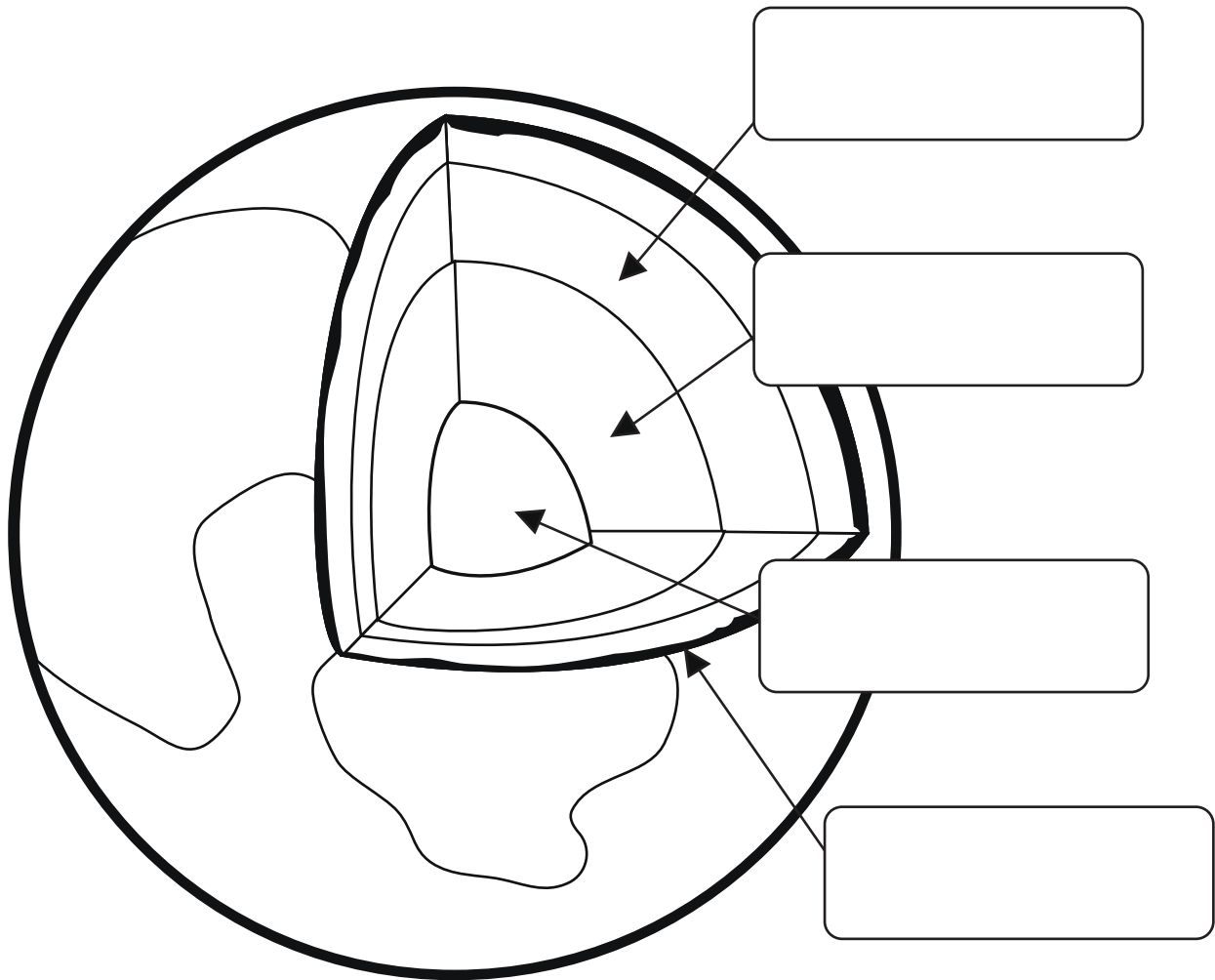
slowly moves like
putty

contains the ocean
floor and continents

Name: _____

What is inside the Earth?

Directions: Cut out each words below and stick them in their correct position on the earth.



Mantle

Crust

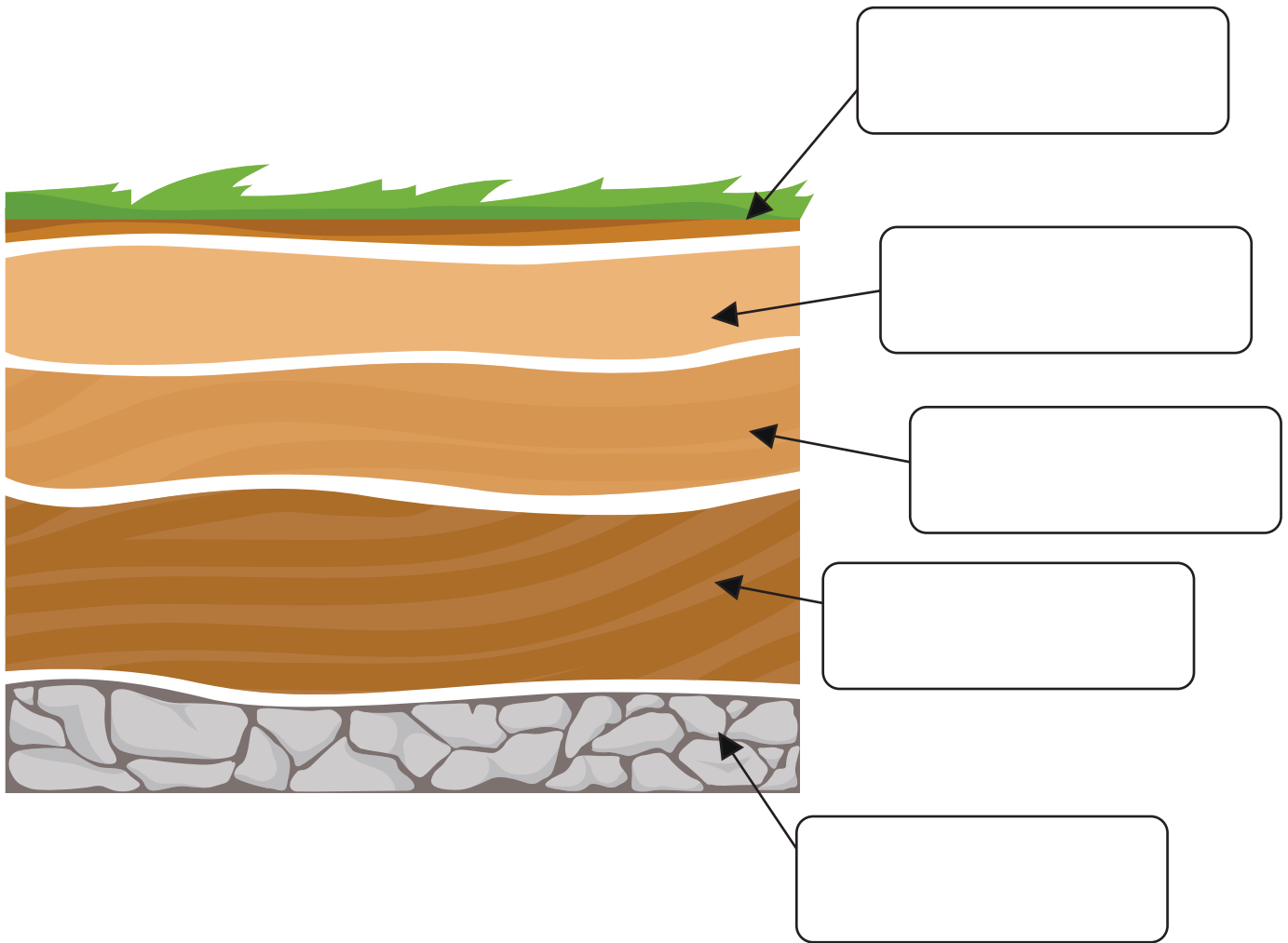
Outer Core

Inner Core

Name: _____

Name the soil layers

Directions: Cut out each words below and stick them in their correct position on the earth.



Bedrock

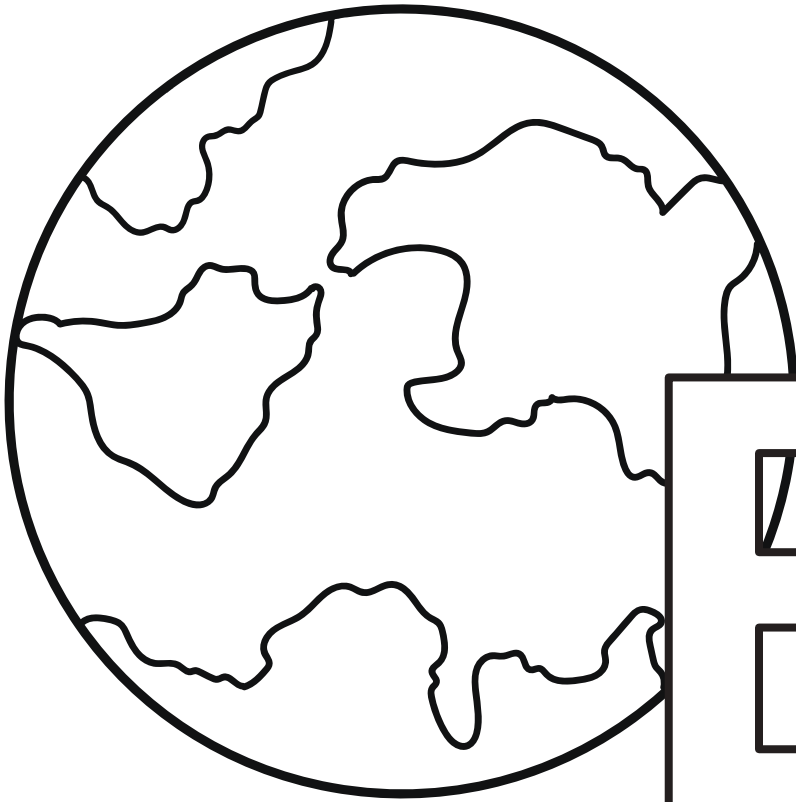
Parent Material

Subsoil

Organic Layer

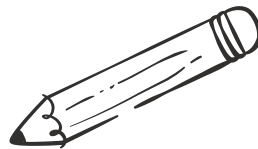
Topsoil

Name: _____



E e

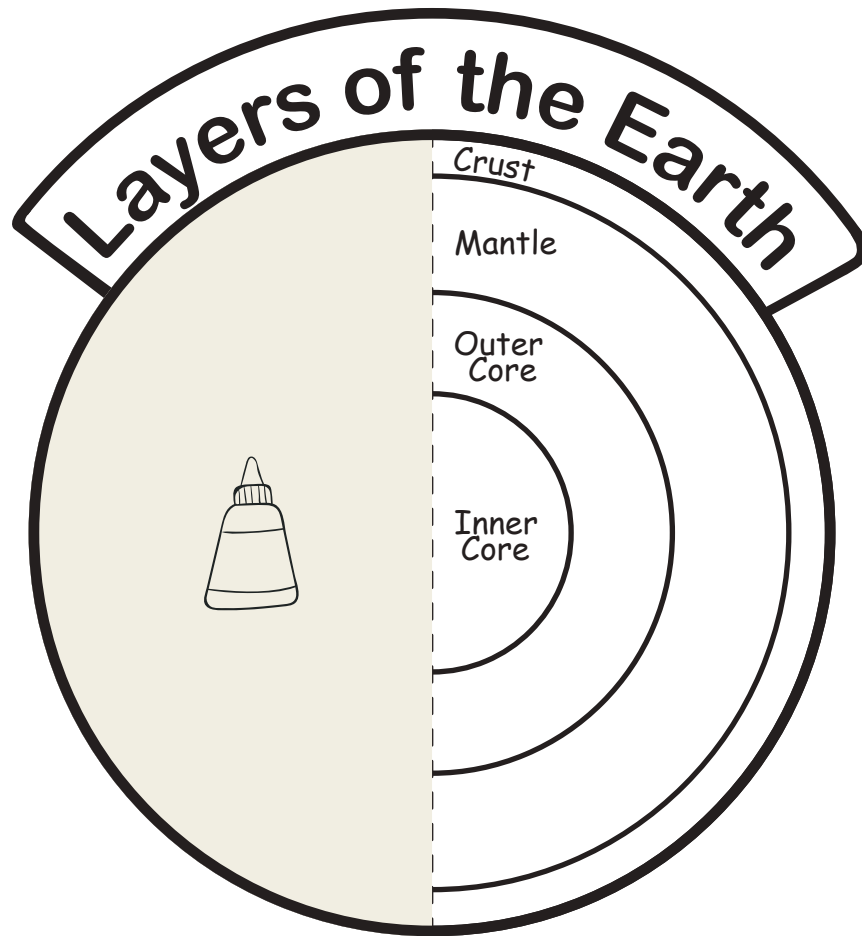
Earth



I can care for the earth by _____



Cut and Glue



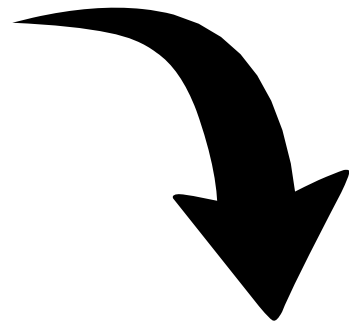
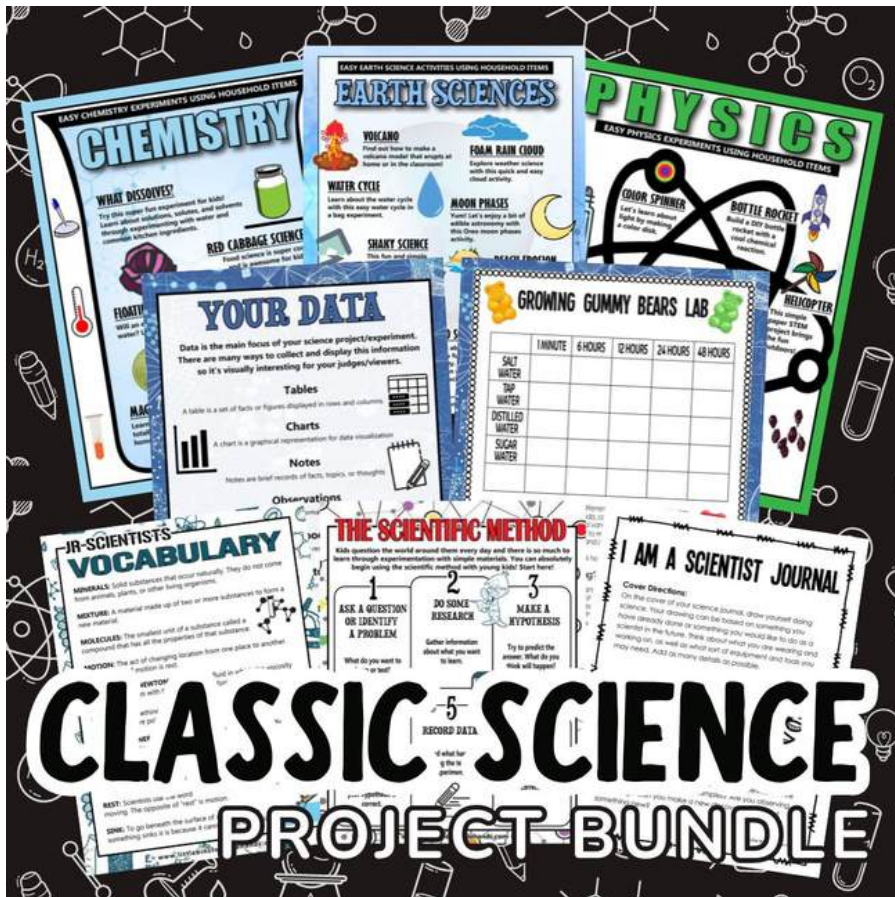
Keep Exploring Science

READY FOR MORE QUICK, HANDS-ON SCIENCE?

🔍 SIMPLE SCIENCE INVESTIGATIONS USING APPROACHABLE SUPPLIES AND REAL SCIENCE CONCEPTS.

- ✓ EASY-TO-FIND MATERIALS
- ✓ HANDS-ON INVESTIGATIONS
- ✓ OBSERVATION AND DATA COLLECTION
- ✓ REAL SCIENCE MADE APPROACHABLE

👉 EXPLORE EVERYDAY SCIENCE LABS



**EVERY PACK
EVERY PRINTABLE**

Get the ALL ACCESS PASS!



Little Bins for Little Hands helps make hands-on learning easy for families and educators by providing simple, engaging science experiments, STEM activities, art projects, and printable resources that encourage curiosity, creativity, and learning through play.