WONDERROOTS KIDS

PUDDLE DETECTIVE LOG

Watch one backyard puddle change over three days • Ages 2-6

MY PUDDLE TRACKING CHART

Visit the same puddle at about the same time each day. Color its shape and record what you see.

Day 1: Rain Day



Draw your puddle size. Place Arin's ruler inside. How deep is it today?



Depth: _____

Weather: _____

Day 2: Cloud Day



Look closely at the water line. Is the puddle shrinking or growing?



Depth: _____

Weather: _____

Day 3: Sun Day



Where did the water go? Is your puddle completely dry?



Depth: _____

Weather: _____

The weather may be different - write what you actually notice!

THE PUDDLE SCIENCE

Warmth helps liquid puddle water turn into an invisible gas called water vapor. The vapor mixes with the air, like taking a secret sky elevator! This change is called evaporation. It can happen on cloudy days, too.

Detective clue: water may also soak into the ground, or more rain may refill the puddle.

Grown-up supervision required. Wash hands with soap after outdoor play.

WONDERROOTS KIDS

MY BACKYARD RAIN GAUGE

Build a simple rain collector with your grown-up • Ages 2-6

BUILD • COLLECT • MEASURE

Use a wide, straight-sided jar with the same width at the opening and inside. Plastic is best for little hands.

1. FIND YOUR JAR

Find a clean, straight glass or plastic jar. Ask your grown-up to check that it is safe and stable.

2. KEEP IT STEADY

Add a shallow layer of smooth gravel or marbles to the bottom. Your grown-up handles these small pieces.

3. ADD YOUR PAPER RULER

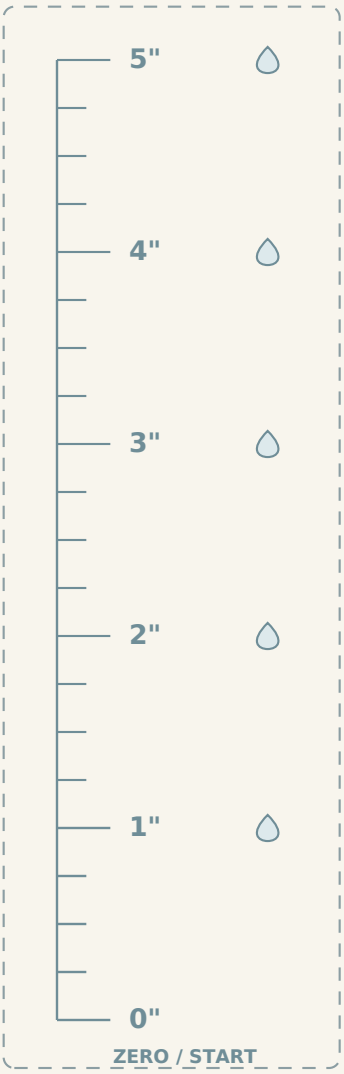
Tape the ruler outside. Add water just above the gravel, then line up the 0-inch mark with this starting water level.

Ready for rain: Stand the open jar on level ground, away from roofs and trees. Read the rise above zero. Empty and refill to the same start line for a new reading.

Today's rain: _____ inches

Check: this line must measure 1 inch.

CUT ALONG DASHES



Print at 100% / Actual Size.
Do not use Fit to Page.

A QUIET RAIN BREATH

Sit under an umbrella shelter. Take a long, slow breath in... and listen to the rhythmic drumming of rain against the fabric.



Grown-up supervision required. Wear rain gear. Wash hands with soap after outdoor play.