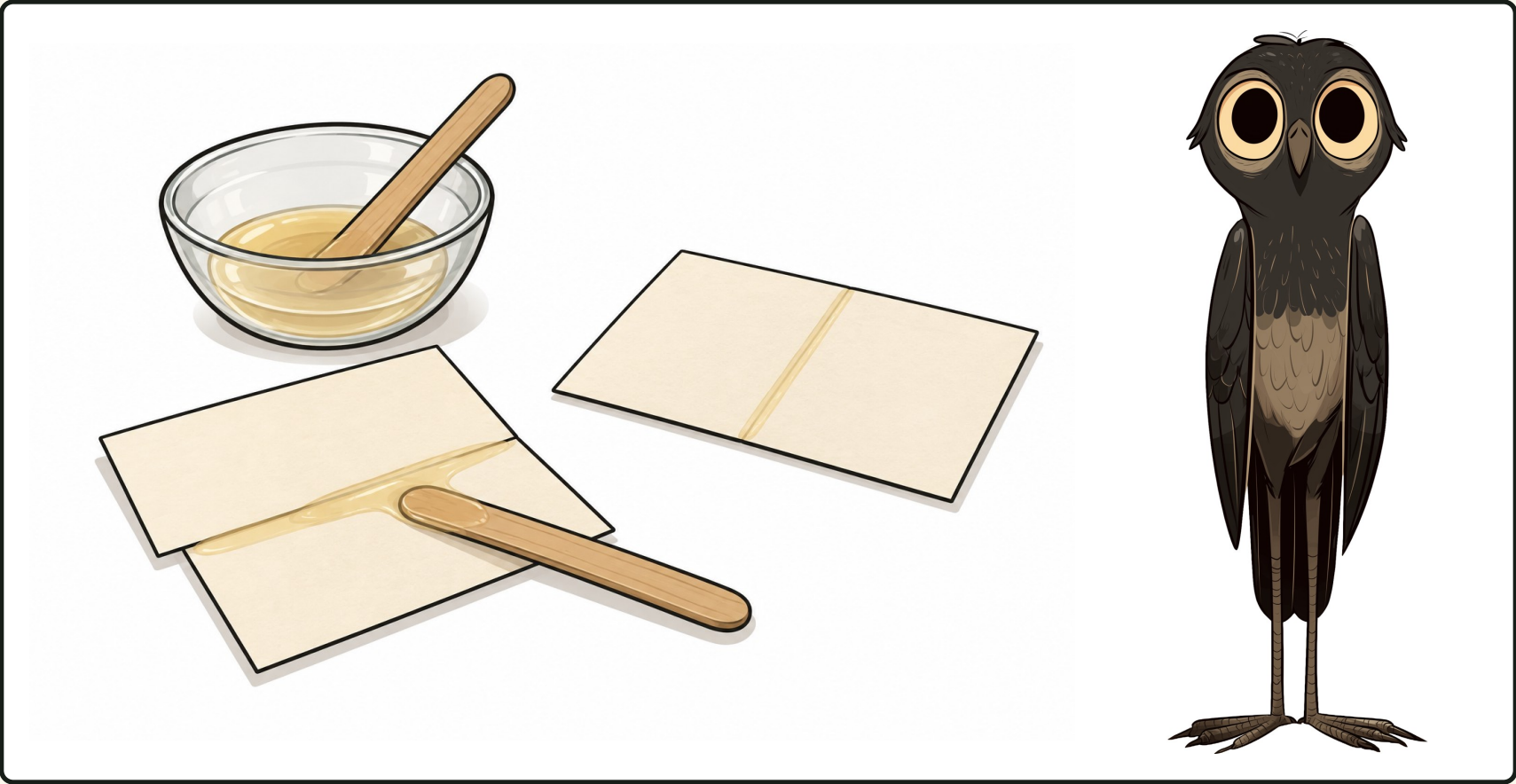


ILLUSTRATED STEPS / SAVE IT. FIND IT. BUILD IT.

GELATIN GLUE

Turn the episode's big idea into a tabletop experiment.



START HERE

01

GET READY

Tools + clickable build map

02

FOLLOW THE STEPS

One clearly numbered stage at a time

03

FIND IT AGAIN

Quick reference + PDF bookmarks

A practical companion to the bone-glue episode, using packaged gelatin. Paper craft only; adult supervision for children.

WATCH THE TIKTOK

MORE FREE BUILD GUIDES

SOURCES / ACS: homemade glue · Nuke: bone-glue episode

BUILD MAP

NEXT

YOUR BUILD MAP

Tap a step to jump there. The printed page numbers work offline too.

HAVE THESE READY

- 2 tsp plain unflavored gelatin
- 1 tsp granulated sugar
- 2.5 tbsp lukewarm water
- Measuring spoons; bowl; stirring spoon
- Plain notecards; pencil
- Blunt spreader; scrap-paper mat

READ IN ORDER

PREP	Prepare the test bench	03
01	Start with the liquid	04
02	Stir in the gelatin	05
03	Coat one card	06
04	Bring the cards together	07
05	Try a gentle separation	08
NOTE	Finish the experiment cleanly	09

QUICK REFERENCE / PAGE 10

BEFORE YOU START

Paper craft demonstration only.
Packaged gelatin replaces scavenged bones. No structural, waterproof or archival claims; adult supervision for children. Do not eat the mixture; discard wet leftovers after the session.

KEEP THIS COPY

Save the PDF with its guide ID. Use the build map, bookmarks, or your PDF reader's search to find a step later. Video and source links need internet; the instructions do not.

SETUP

Prepare the test bench

READ BEFORE STEP 01

PREP

Use clean materials and an expendable work surface.



LAY OUT THE KIT

- **Set out everything on the equipment page before starting.**
- Protect the table with scrap paper and keep a pencil nearby for your notes.
- Do not use animal remains from the original episode.

DEFINE SUCCESS

- **This guide gives no structural, waterproof or archival rating.**
- Keep the mixture away from mouths and eyes; check ingredient labels before handling if you have an allergy.
- Use expendable materials so an unsuccessful attempt costs very little.

STEP

Start with the liquid

1 OF 5 / READ IN ORDER

01

Measure deliberately; this is a small batch.



COMBINE THE FIRST INGREDIENTS

- Add 2.5 tablespoons lukewarm water and 1 teaspoon sugar to the bowl.
- Use the measuring spoons from your kit.

MARK YOUR SAMPLE

- Write the date and a sample letter on a card edge.
- Leave a clear patch for the bond and another edge free to hold during testing.
- Put the pencil aside before continuing.

SOURCES / ACS: homemade glue

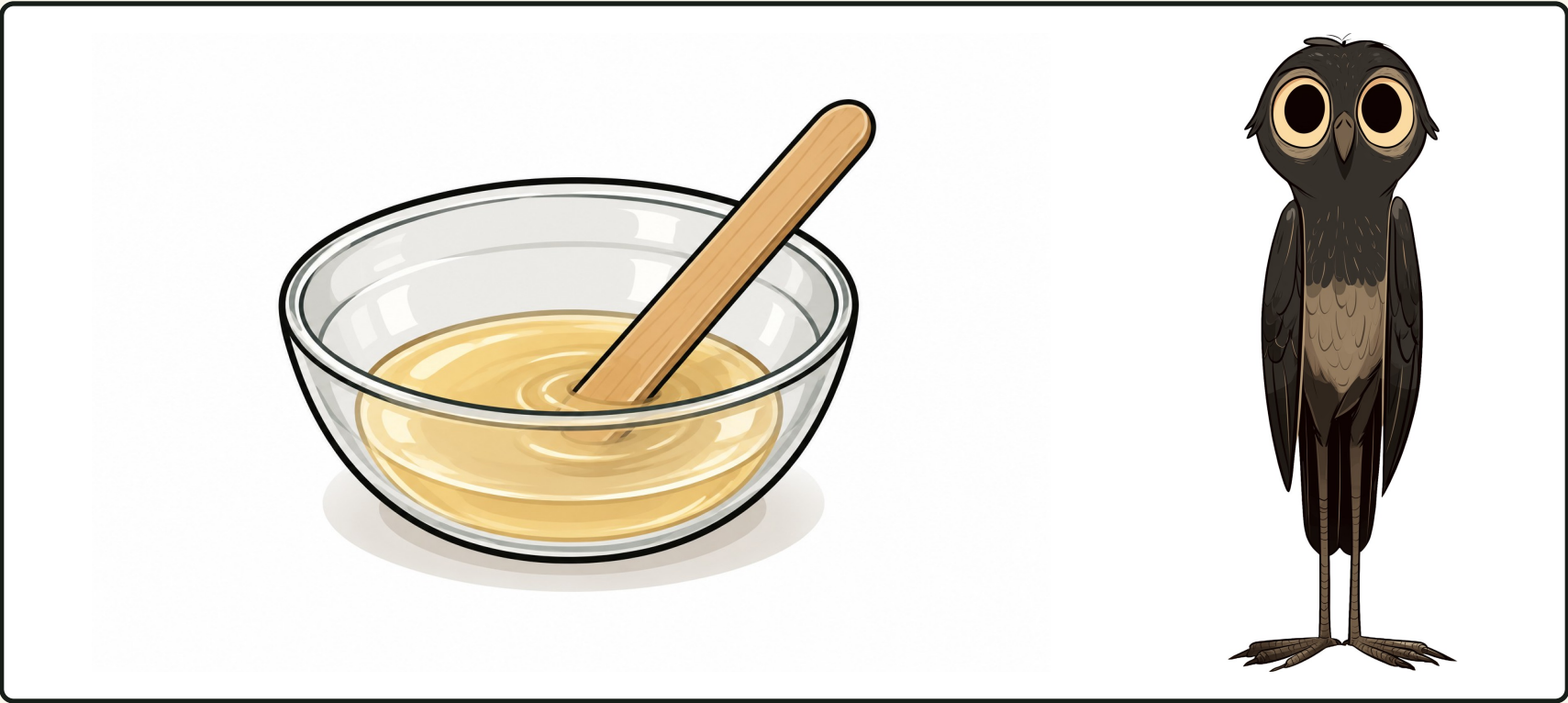
STEP

02

Stir in the gelatin

2 OF 5 / READ IN ORDER

Keep your sample notes beside the workspace.



MAKE THE ADHESIVE

- Stir in 2 teaspoons gelatin briskly until evenly thickened.

CHECK BEFORE MOVING ON

- If you lose track of a measurement, begin a fresh batch rather than guessing.
- Record anything unusual beside sample A so a failed test still teaches you something.
- Do not silently change the recipe and then compare it with an unchanged sample.

SOURCES / ACS: homemade glue

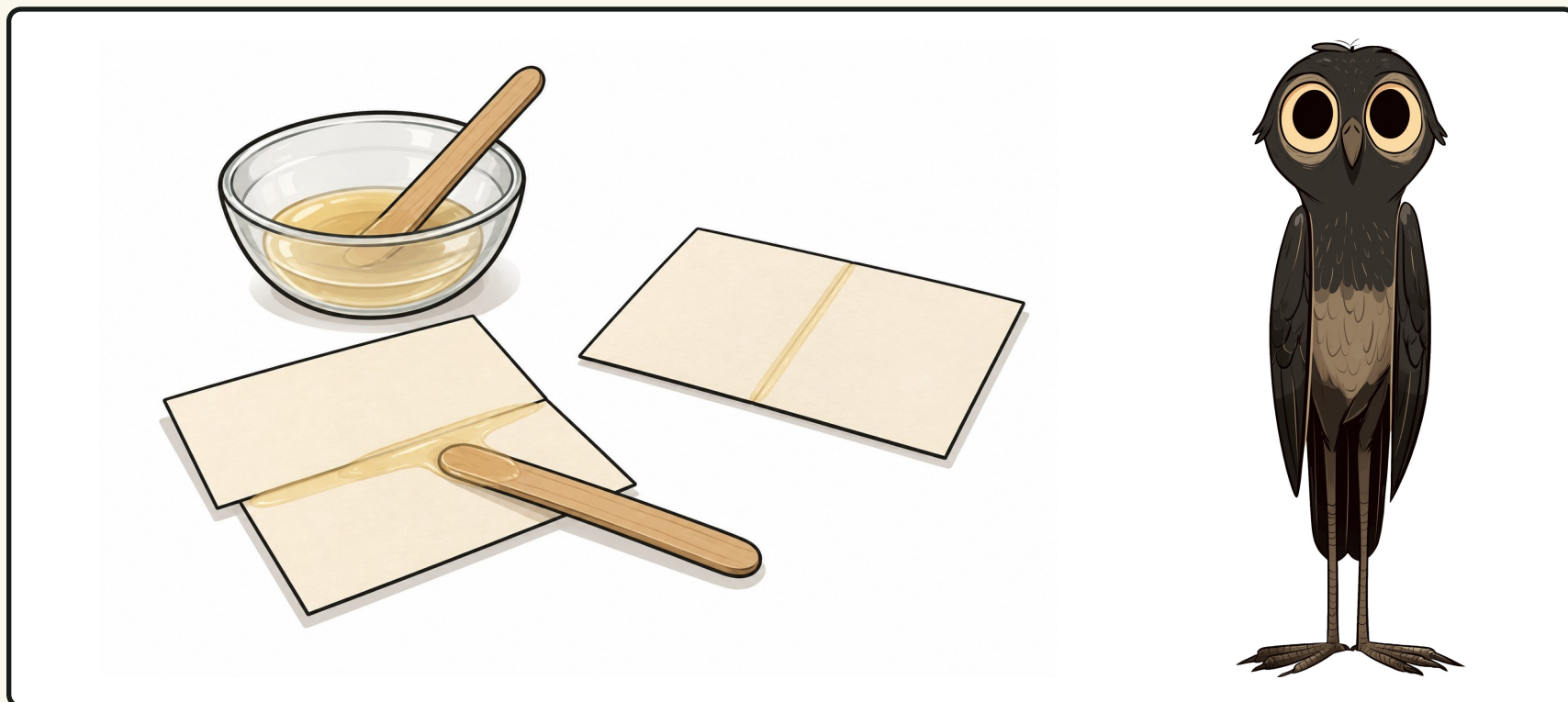
STEP

Coat one card

3 OF 5 / READ IN ORDER

03

Keep a dry edge available for your fingers.



APPLY THE MIXTURE

- **Spread glue on a notecard with a blunt utensil.**
- Work over the protected table.

KEEP THE TEST READABLE

- **Choose one patch near an end, leaving the opposite end bare.**
- Mark the intended overlap on your second card before bringing it down.
- For later comparisons, use the same card type and overlap area so you change one thing at a time.

SOURCES / ACS: homemade glue

BUILD MAP

PREVIOUS

NEXT

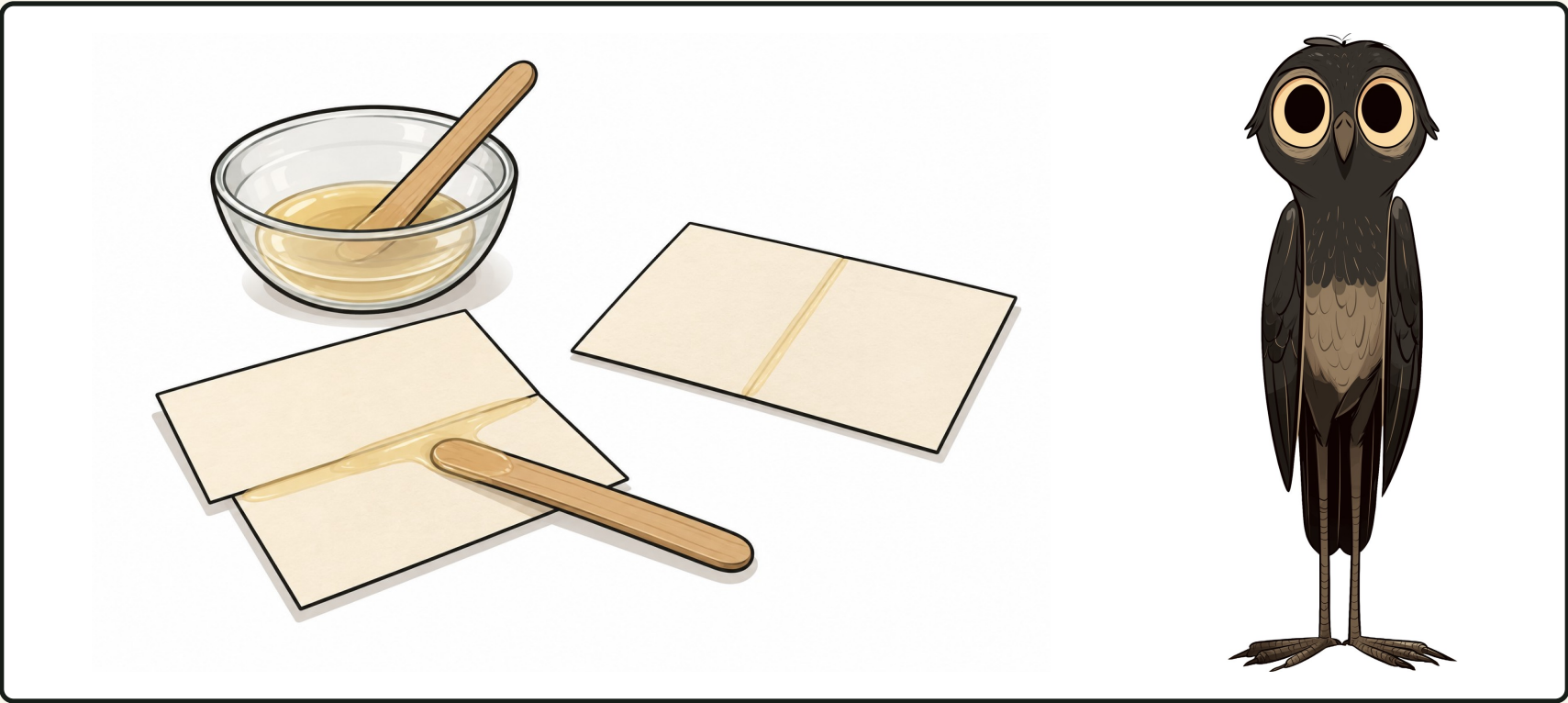
STEP

04

Bring the cards together

4 OF 5 / READ IN ORDER

Keep the penciled marks visible as you work.



CLOSE THE JOINT

- Add the second card; press firmly for about 10 seconds.

KEEP TRACK OF THE RESULT

- Set the sample down flat.
- Note whether the edges stayed aligned or slid while pressing.
- Do not hang a weight from it or attach anything valuable.
- That would ask a different question from this small demonstration.

SOURCES / ACS: homemade glue

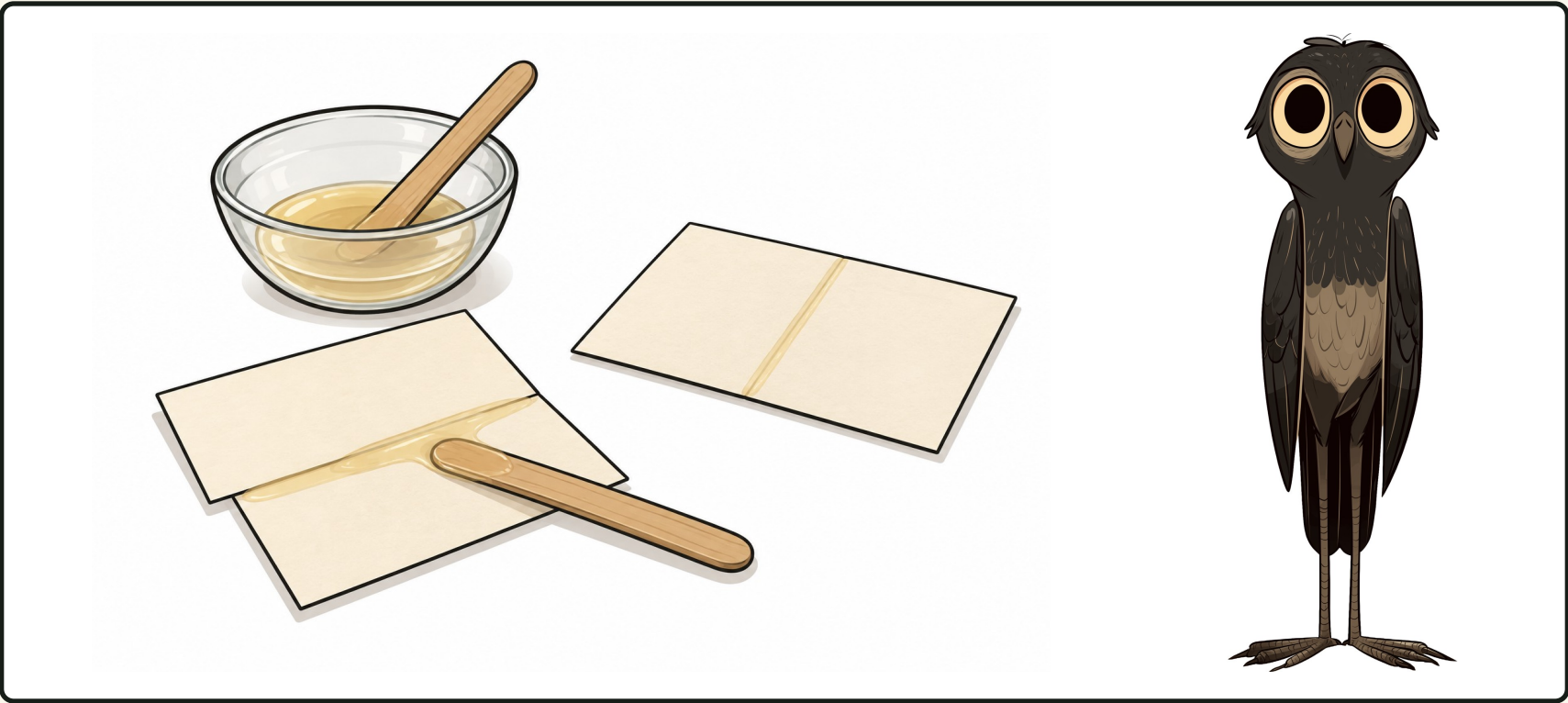
STEP

05

Try a gentle separation

5 OF 5 / READ IN ORDER

Judge the actual sample, not the confidence of its narrator.



INSPECT THE BOND

- **Hold free card ends above the table and gently pull apart.**
- Note separation, resistance or paper damage.

MAKE A FAIR COMPARISON

- **If you make another sample, keep its size and method consistent.**
- Compare observations rather than declaring a load rating.
- A bond that resists one gentle pull has not passed a building-material test.
- Keep successful dry samples only as labeled craft examples.

SOURCES / ACS: homemade glue

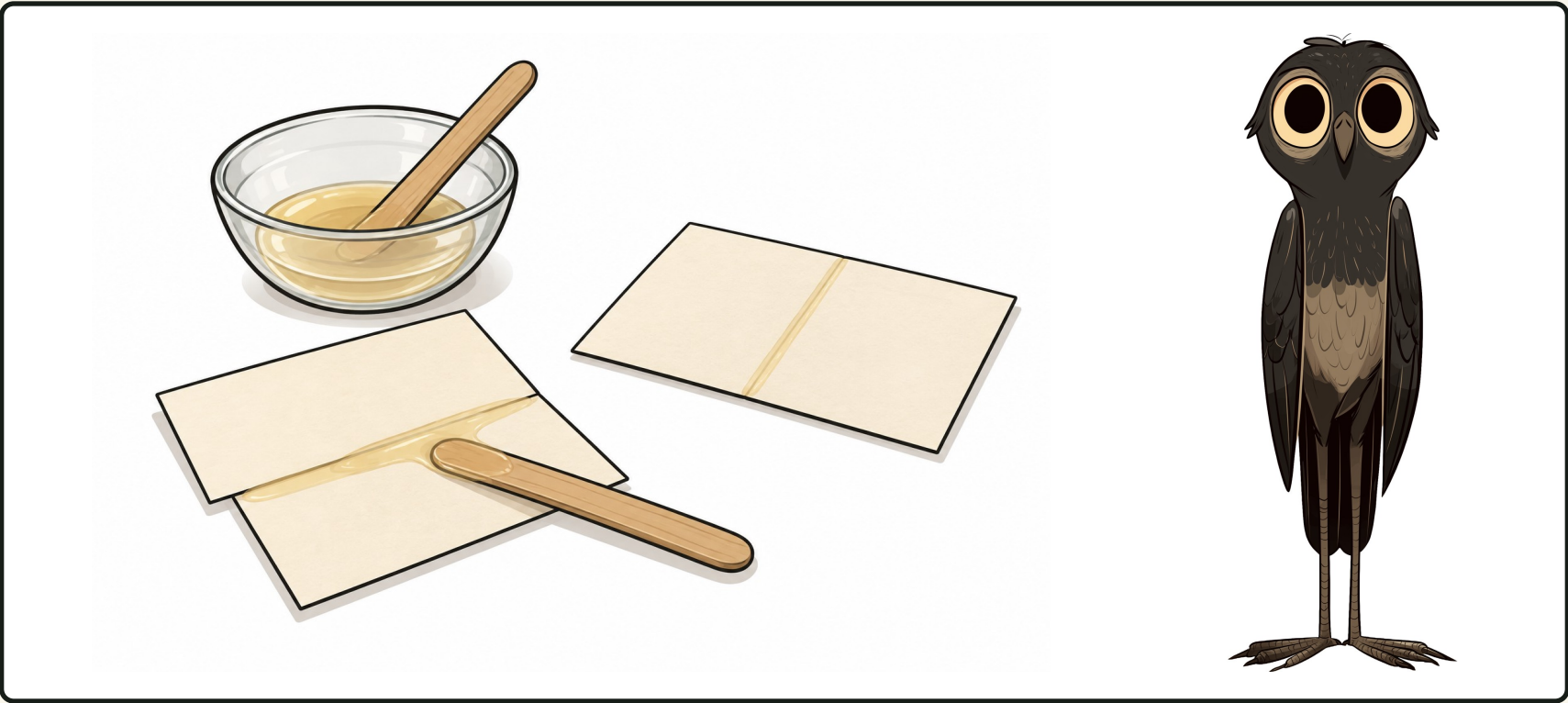
NOTE

Finish the experiment cleanly

KEEP THESE LIMITS WITH THE STEPS

REF

A disappointing sample is a useful observation.



IF IT DOES NOT HOLD

- **Check your recorded amounts, mixing and card alignment.**
- Retry on plain cards with a fresh batch; do not add solvents or household chemicals to chase strength.
- The source does not establish a universal drying time or storage life for this mixture.

END THIS SESSION

- **Dispose of leftover wet glue and wash the bowl, utensils and hands.**
- Let craft samples dry before storing them; discard any that develop mold or an unusual smell.
- Keep the work labeled as an experiment, separate from food.

SOURCES / ACS: homemade glue

QUICK REFERENCE

Read the full steps first. Tap any row to return to its instructions.

BEFORE STEP 01

Paper craft demonstration only. Packaged gelatin replaces scavenged bones. No structural, waterproof or archival claims; adult supervision for children. Do not eat the mixture; discard wet leftovers after the session.

01

Measure

2.5 tbsp lukewarm water + 1 tsp sugar.

P04

02

Mix

Add 2 tsp gelatin; stir until uniform and thicker.

P05

03

Spread

Coat a card patch; leave a dry gripping edge.

P06

04

Press

Overlap a second card; hold firmly about 10 seconds.

P07

05

Test

Pull free ends gently over the table; record what happens.

P08

NUKE SAYS

My filing cabinet has a new category: suspicious stationery.