



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

## How Can We Model a Physical Adaptation?

Inquiry Flipchart p. 16

Student Edition pp. 129-130

Guided Inquiry



35-45 minutes



Individuals

Objectives

- Discuss why sticky frog tongues are an adaptation that help the frog survive.
- Explain how adaptations help animals survive in their environment.

Inquiry Skills

- Predict
- Infer
- Draw Conclusions
- Formulate or Use Models

<b>Observation</b>	<b>Sticky tongue captures 10 papers.</b>  <b>Wet tongue captures 20 papers.</b>
<b>Conclusion</b>	The adaptation of a sticky tongue helps the frog catch more insects, which they need to survive.

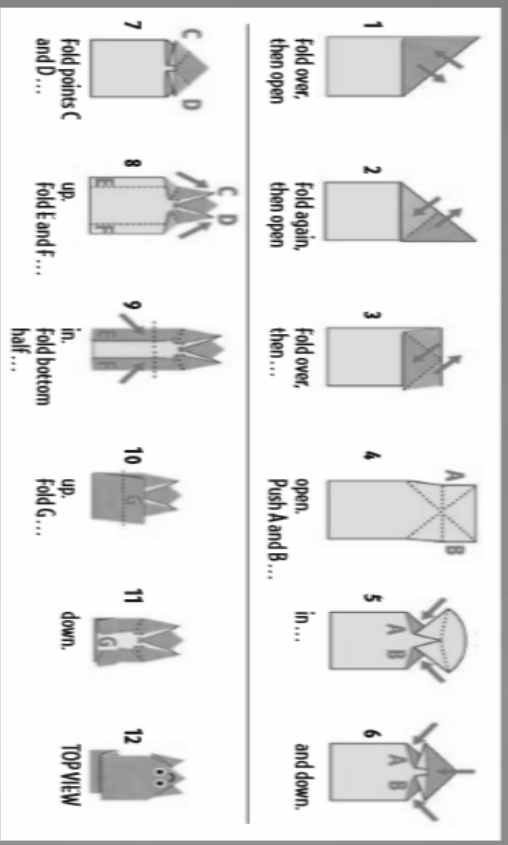
# How Can We Model a Physical Adaptation?

How does a sticky tongue help frogs survive?

## Materials

- 2 small index cards
- newspaper
- masking tape
- water
- scissors
- crayons
- paper
- hole punch

**1** Use the index cards, follow the pictures to fold two frogs that are exactly the same.



**2** Cut a strip of masking tape 2 cm x 6 cm. Attach it to the mouth of one frog. Cut a strip of paper the same size, and use a small piece of tape to attach it to the mouth of the other frog.

**3** Use the hole punch to make "insects" from the newspaper. Sprinkle these on your desk.

**4** Predict how many insects will stick to the tongue of each frog. Record your prediction.

**5** Hold the frog with the tape tongue. Sweep it back and forth over the newspaper insects. Count the insects on the tongue, and record the number. Do this five times. Remove the insects from the tongue before each trial.

**6** Dip your finger in water, and carefully wet the paper tongue of the other frog. Repeat Step 5 with this frog.