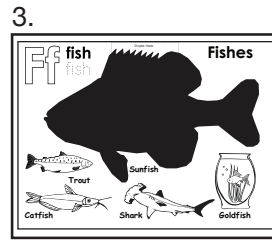
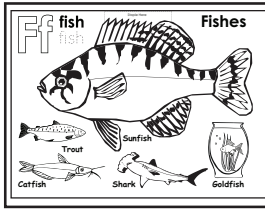
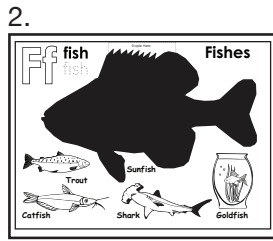
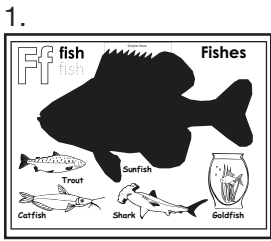


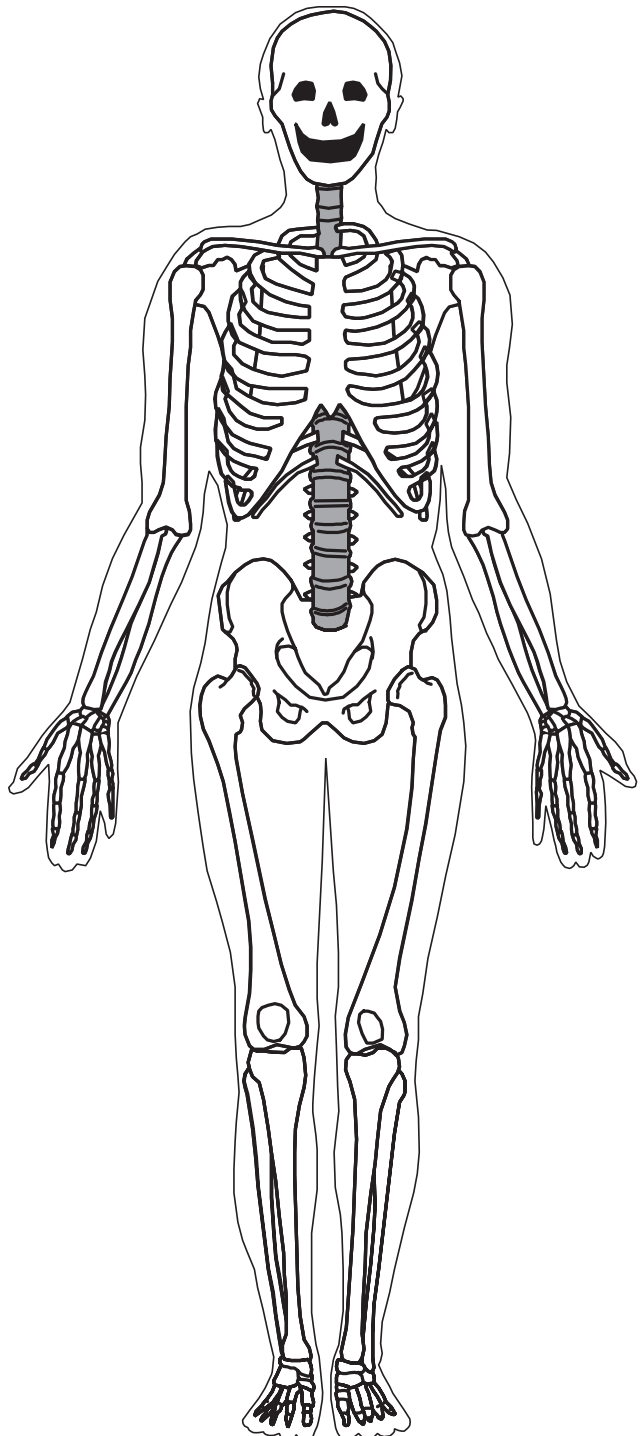
Backbone Bonanza

Directions: Make one copy of each **Vertebrate Card (Fishes, Amphibians, Reptiles, Birds, and Mammals)**. Use a black marker to completely fill in the shape of the main figure on each sheet (as shown in 1. below). Then, for each child, make a copy on card stock of the filled-in **Vertebrate Cards** and the original cards (as shown in 2. below). Cut out the main figures (or allow children to cut them out) from the copy of the original. Each child should receive a **Vertebrate Card** with a black silhouette and a cut out animal shape (as shown in 3. below).



Gather Materials: Gather materials to represent different animal coverings for the five types of vertebrates:

- glitter or sequin “scales” (for fish);
- shiny paint or paint mixed with glue (for amphibians);
- buttons or similar non-metallic “scales” (for reptiles);
- construction paper “feathers” or real ones from a craft store (for birds);
- and bits of yarn or fake fur (for mammals).

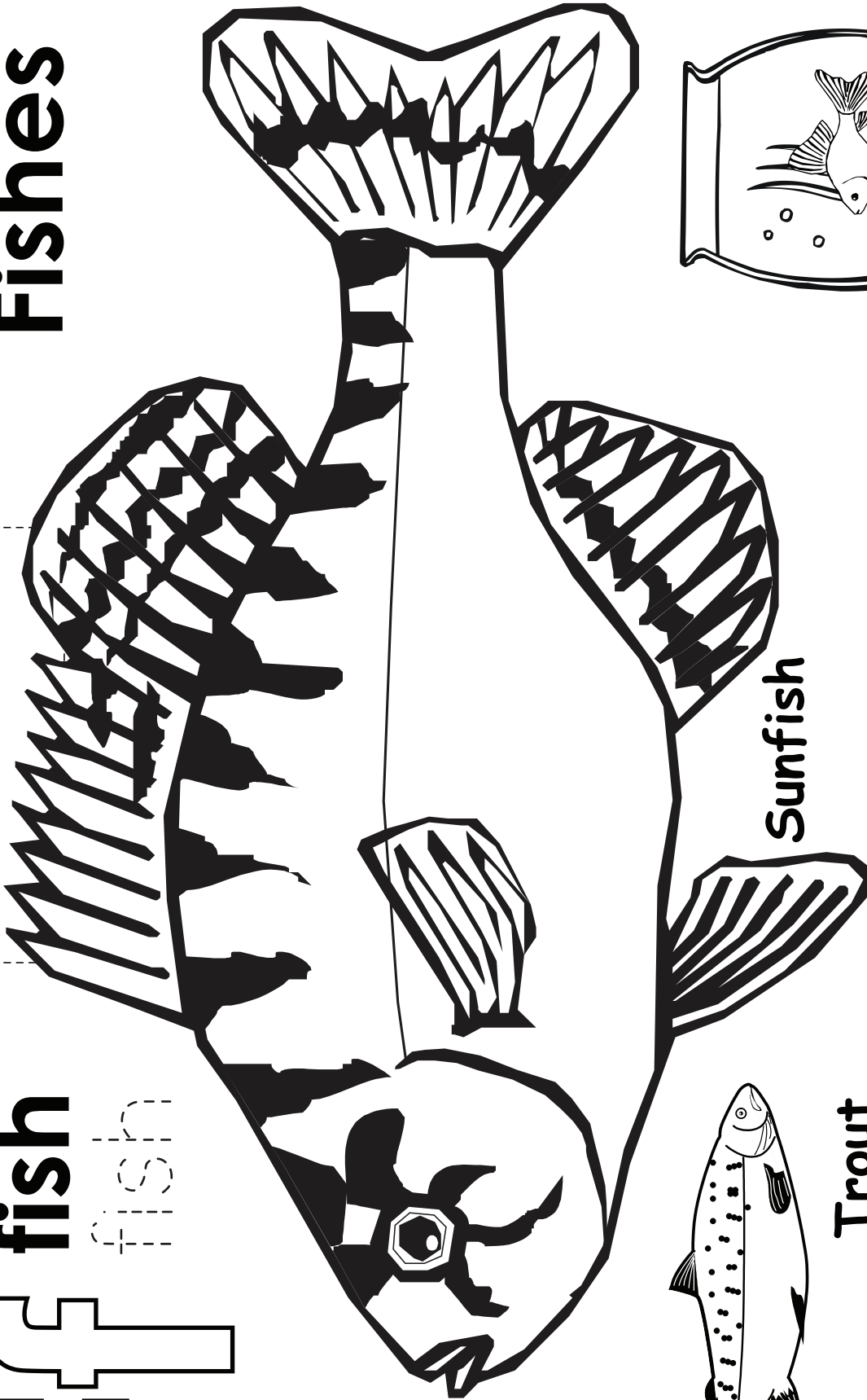


If desired, you may enlarge the skeleton figure at right to use during your discussion of vertebrate backbones and internal skeletons. The backbone is indicated in gray.

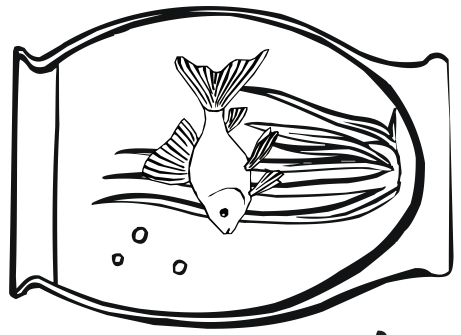
Fishes

Ff
fish
fish

Staple Here



Sunfish



Goldfish



Shark



Trout



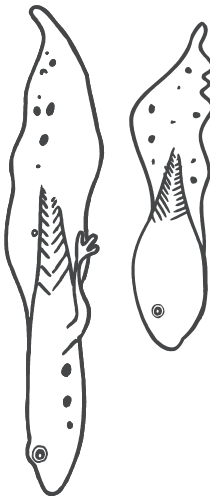
Catfish

Amphibians

Aa

amphibian

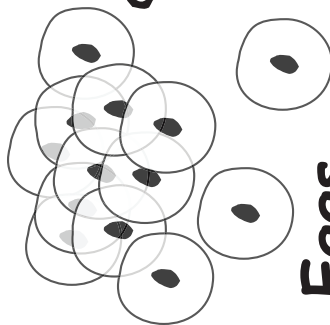
amphibian



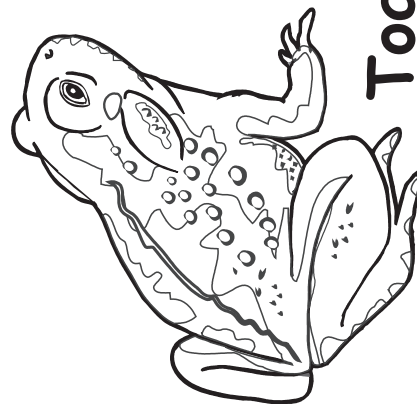
Tadpoles



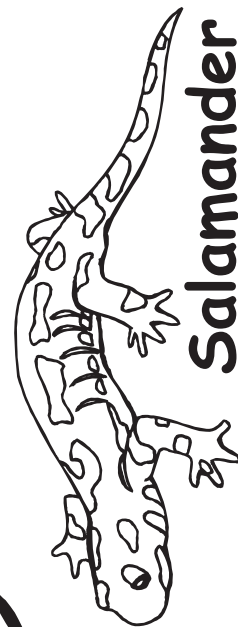
Frog



Eggs

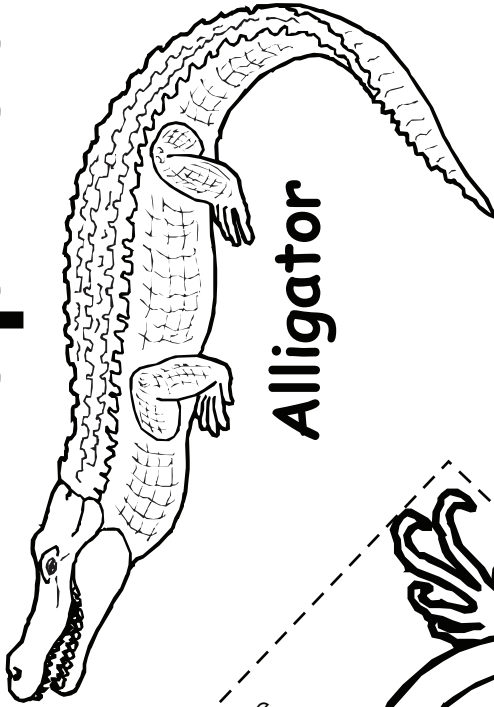


Toad



Salamander

Reptiles



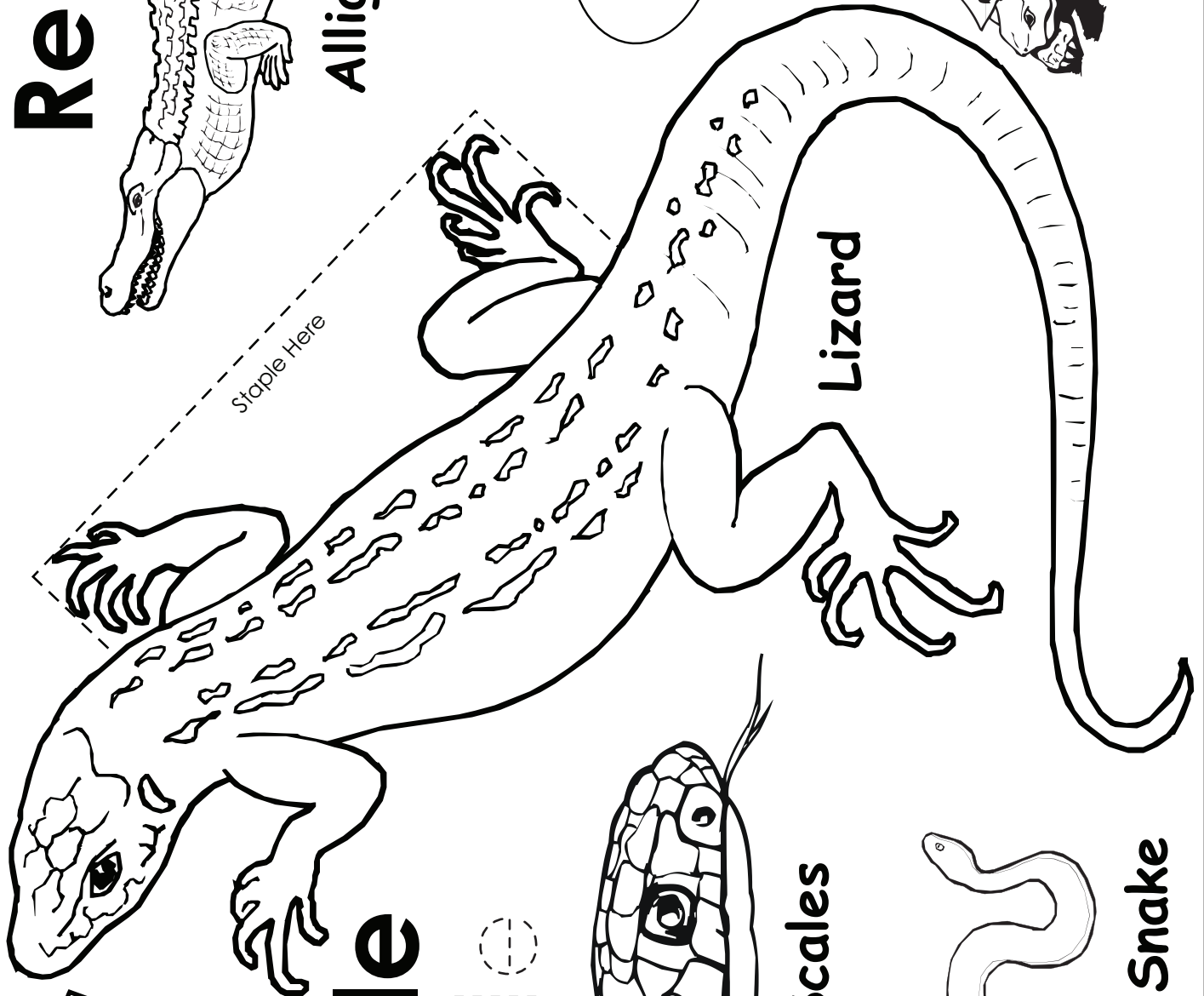
Alligator



Hatching



Tortoise



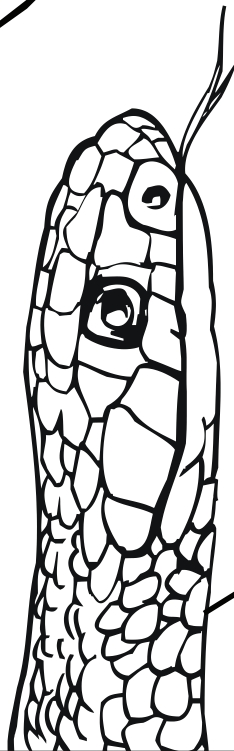
Lizard

Staple Here

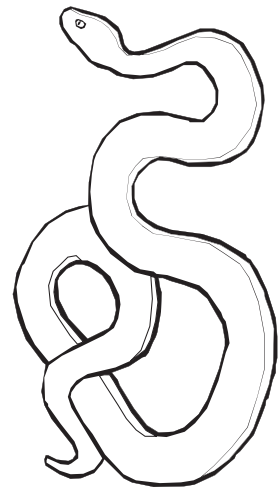
R

reptile

reptile



Snake Scales



Snake

Birds

Bb

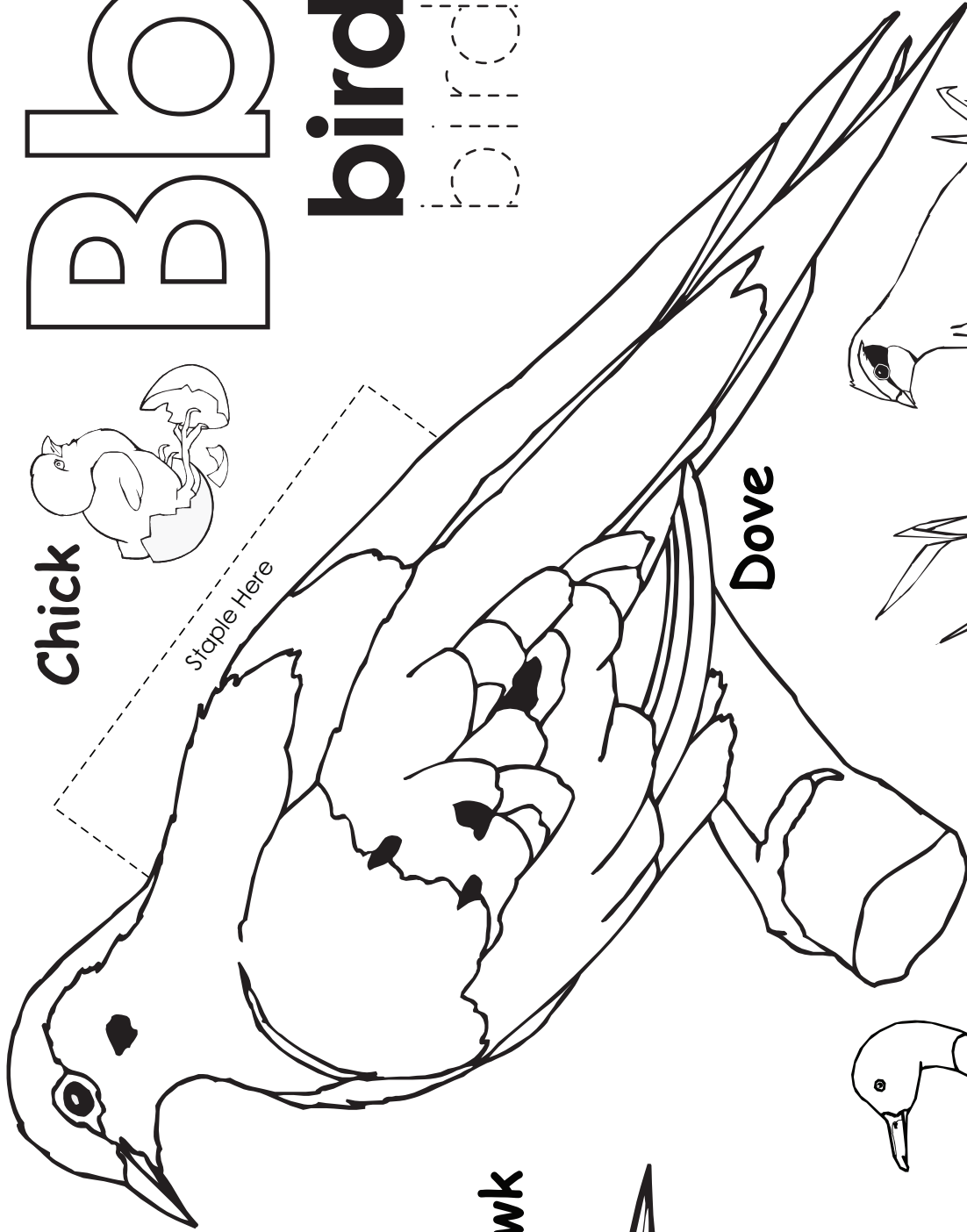
bird

bird

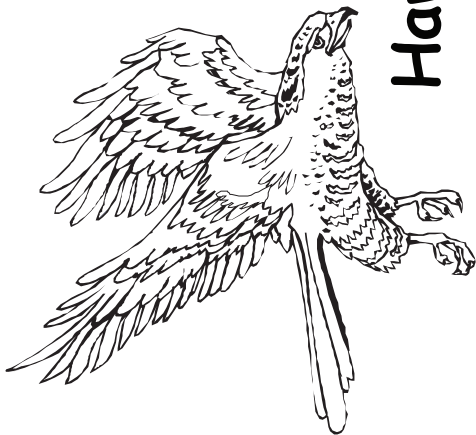


Chick

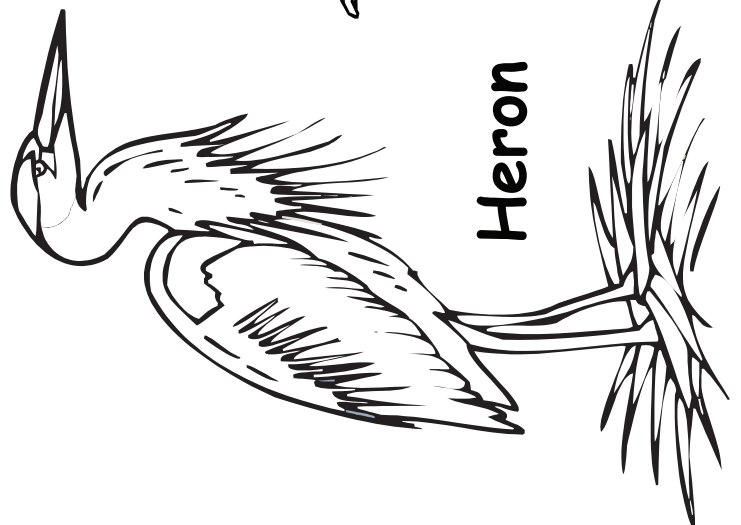
Staple Here



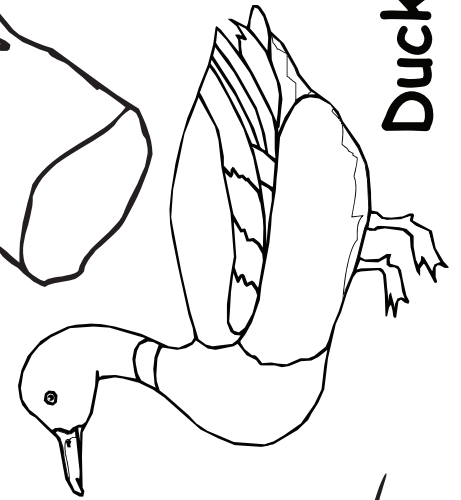
Dove



Hawk



Heron



Duck



Quail

Mamm

mammals
mammals

Staple Here



Bat

Deer

Raccoon

Rabbit

Bobcat

Mammals

Dog Nursing Puppies