

### Activity 3



# Amphibian Skin vs. Reptile Skin

## Materials:

Two hard-boiled eggs (Preferably not cracked), two cups or mugs, water, food coloring, paper towels.

1. Fill two cups with some warm water and place several drops of food coloring in each cup. Red or Blue food coloring will be the best for this experiment, mainly because it is easier to see.
2. Take one of the hard boil eggs and remove the shell. Leave the shell intact on the other egg.
3. Place one egg in one cup and one egg in the other cup.
4. Let sit for about 24 hours.
5. Remove eggs from liquid. Blot dry with a paper towel.



Now note what has happened to the egg that has no shell. Cut or break the egg apart to see how far the food coloring has penetrated.

6. Now peel the egg with the shell. Note how far the color penetrated this egg.

## Questions to answer:

Which egg was most like the skin of an amphibian?

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Which egg was most like the skin of a reptile?

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What was the difference in the penetration of the food coloring in the two eggs?

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How does this relate to what you have learned about amphibians?

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