



Scorpion Scene

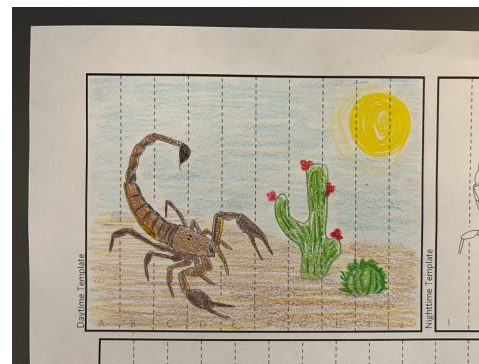
Scorpions fluoresce, or glow, a blue-green color when illuminated by ultraviolet (UV) light or by moonlight. Scientists are not sure exactly why scorpions are fluorescent, but it could be a warning sign to potential predators—or it could be a lure for prey. Color a scorpion and watch their transformation by creating a daytime and a nighttime *agamograph* scene—a unique art piece where the picture seems to change depending on the angle you use to view it. What kind of habitat will your scorpion live in during the day, and what will change at night?

Materials

Print-out agamograph templates (page 3)
Crayons, colored pencils, or markers
Highlighters
Scissors
Glue stick

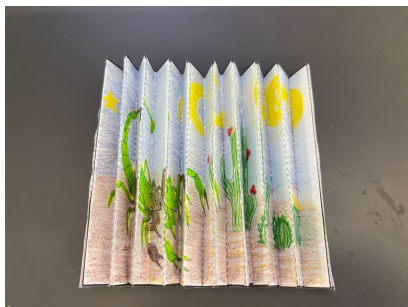
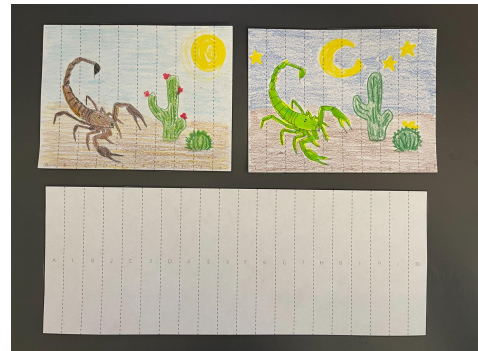
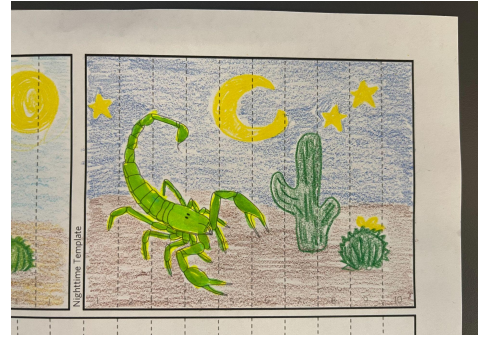
Directions

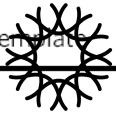
1. Print the agamograph templates on page 3.
2. **Color in** the “daytime” scorpion template with crayons, colored pencils, or markers and draw a background for the scorpion. Will your scorpion be in the desert or in the jungle? Will the sun be shining, or will your scorpion be hiding in a cave? Use your imagination!
3. **Color in** the “nighttime” scorpion template using



highlighters to mimic the way scorpions fluoresce at night. Then use crayons, colored pencils, or markers to add a background. Is your scorpion exploring under the moonlight?

4. **Cut out** the daytime template, nighttime template, and base template along the dark black border lines.
5. **Cut** the daytime template into strips, following the dotted lines. **Glue** these strips to the corresponding letters on the base template (A on A).
6. **Cut** the nighttime template into strips, following the dotted lines. **Glue** these strips to the corresponding numbers on the base template (1 on 1).
7. **Fold** the agamograph in an accordion shape.
8. Your scorpion scene is complete. Place your agamograph at eye level and slowly move from one side to the other and watch your scorpion go from day to night!





Daytime Template

A
B
C
D
E
F
G
H
I
J

A line drawing of a scorpion is positioned on a set of handwriting lines. The scorpion's body is curved, and its pincers are visible. The illustration is placed between the top solid line and the middle dashed line, spanning across the letters A, B, C, D, and E.

Nighttime Template

1
2
3
4
5
6
7
8
9
10

A line drawing of a scorpion is positioned on a set of handwriting lines. The scorpion's body is curved, and its pincers are visible. The illustration is placed between the top solid line and the middle dashed line, spanning across the numbers 1, 2, 3, 4, and 5.

A
1
B
2
C
3
D
4
E
5
F
6
G
7
H
8
I
9
J
10

A large vertical rectangle containing ten sets of handwriting lines. Each set consists of a top solid line, a middle dashed line, and a bottom solid line. The letters A through J and numbers 1 through 10 are printed vertically on the right side of each set of lines, corresponding to the labels in the adjacent blocks.