# Colors & Shapes in Nature

Colors & Shapes · Practice Test · 15 Questions

**1. Why do wild flamingos have pink or reddish feathers?**

A) They absorb UV light from the sun
B) Their diet is rich in carotenoid pigments
C) It is a result of genetic mutation
D) They bathe in mineral-rich clay

**2. What geometric shape forms the individual cells of a honeybee comb to maximize storage space while using minimal wax?**

A) Hexagon
B) Pentagon
C) Triangle
D) Octagon

**3. Underneath their white-appearing translucent fur, what color is a polar bear's skin?**

A) Pink
B) White
C) Black
D) Grey

**4. What shape do cooling basaltic lava flows frequently form, as seen in structures like the Giant's Causeway?**

A) Round spheres
B) Hexagonal columns
C) Perfect cubes
D) Triangular pyramids

**5. What is the biological term for the bright warning coloration used by toxic animals, like poison dart frogs, to deter predators?**

A) Aposematism
B) Crypsis
C) Countershading
D) Biomimicry

Quixly | This material was auto-generated. Quixly is not liable for errors or omissions. Visit quixlylearn.com to report corrections.

**6. The striking metallic blue color of a Morpho butterfly's wings is caused by which mechanism?**

A) Blue chemical pigments
B) Microscopic structural light reflection
C) Bioluminescent chemical reaction
D) UV light fluorescence

**7. Most adult sea stars (starfish) exhibit which type of geometric symmetry?**

A) Bilateral symmetry
B) Asymmetry
C) Pentaradial symmetry
D) Spherical symmetry

**8. Seeds on the head of a sunflower are arranged in interconnected spirals that follow which mathematical pattern?**

A) Fibonacci sequence
B) Pascal's triangle
C) Prime number sequence
D) Pythagorean theorem

**9. What pigment gives squid and octopus ink its characteristic dark brown or black color?**

A) Carotene
B) Melanin
C) Chlorophyll
D) Hemocyanin

**10. Which color of bioluminescent light is most commonly produced by deep-sea marine animals because it travels farthest through water?**

A) Red
B) Yellow
C) Blue-green
D) Purple

**11. Water ice crystals in standard snowflakes naturally form with how many distinct points or sides?**

A) Four
B) Five
C) Six
D) Eight

Quixly | This material was auto-generated. Quixly is not liable for errors or omissions. Visit quixlylearn.com to report corrections.

**12. Three-toed sloths often appear green in the wild because of what living in their fur?**

A) Moss
B) Green algae
C) Fungal spores
D) Lichen

**13. What shape name is given to the distinctive circular, eye-like markings found on a peacock's tail feathers?**

A) Ocelli
B) Spiracles
C) Rosettes
D) Tessellations

**14. Specialized pigment-containing cells that allow animals like chameleons and cuttlefish to change skin color are called what?**

A) Melanocytes
B) Chromatophores
C) Keratinocytes
D) Osteocytes

**15. What color does the coat of an Arctic fox change to during the warm summer months to blend into tundra rocks?**

A) Bright white
B) Brown or grey
C) Yellowish orange
D) Dark black

Quixly | This material was auto-generated. Quixly is not liable for errors or omissions. Visit quixlylearn.com to report corrections.