Welcome to World Migratory Bird Day

















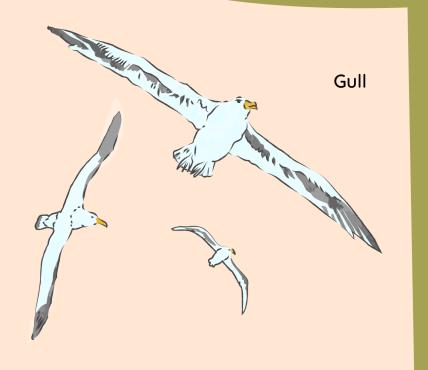


What kinds of wings?

Before we learn, let's draw your own birds!
Which wing shape is a bird that can fly far away?

Soaring wings

The wingspan is narrow and long, so it can fly efficiently. Seabirds flying long distances have wings of this type.



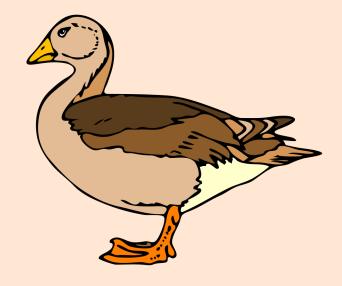




High speed wings

The tip of the wing is sharp, so they can fly at high speed. They fold their wings when they fly fast.





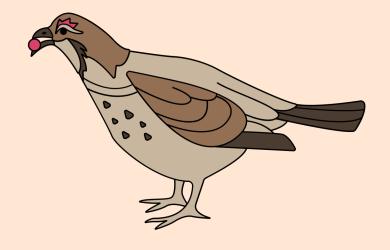




Elliptical wings

It is a short, wide oval wing with a split wing tip. They can fly short and fast. Resident birds that stay on the ground or trees for a long time and do not fly far away have wings of this type.

Grouse

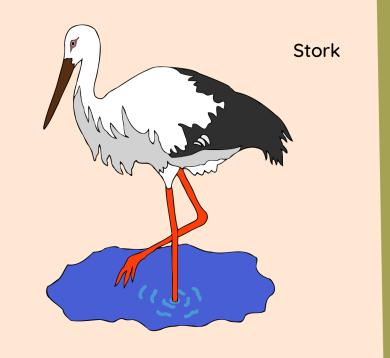


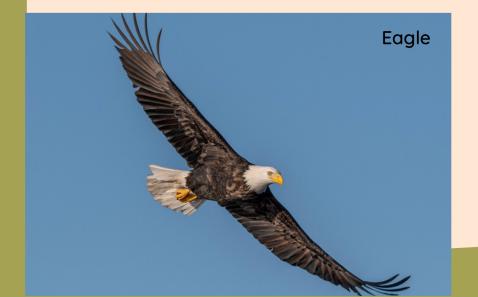




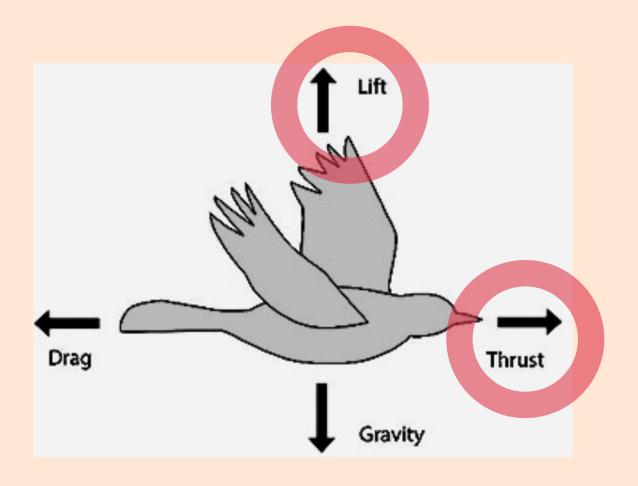
High lift wings

The long and wide wings are held by birds that carry heavy food using ascending air.









How can they fly?





Why so black?

The wings of a large bird flying in the distance are generally rounded on the upper side of the wing, but at least the edges are black. The temperature difference between the black feathers on the sun's wings and the white feathers below reaches 10 degrees. As the temperature of the boundary layer where heated black feathers meet the air rises, the air resistance decreases by 7.8%, making the flight more efficient

But they can't fly forever!

Migratory birds fly more than 10,000 kilometers without sleeping. But you have to rest for a while and eat. Here, the Gun-Galuut, and various wetlands are places where birds recharge their energy so that they can fly again.

If it weren't here, the birds would not be able to go home because they were tired.

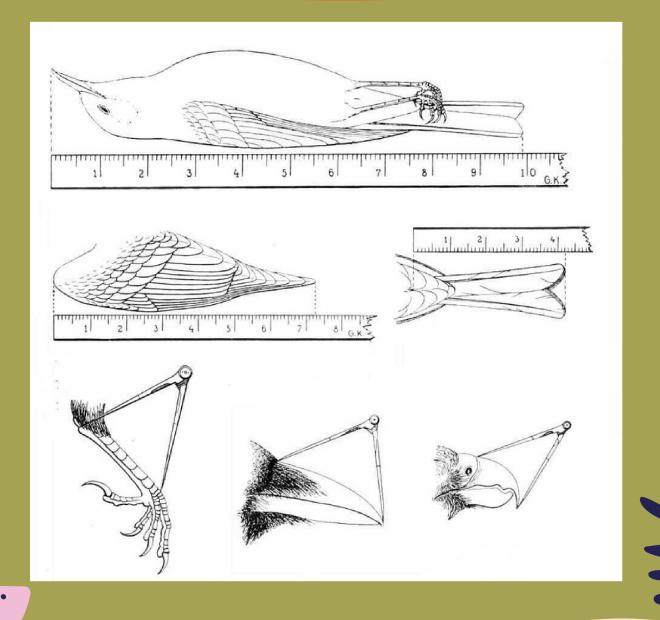




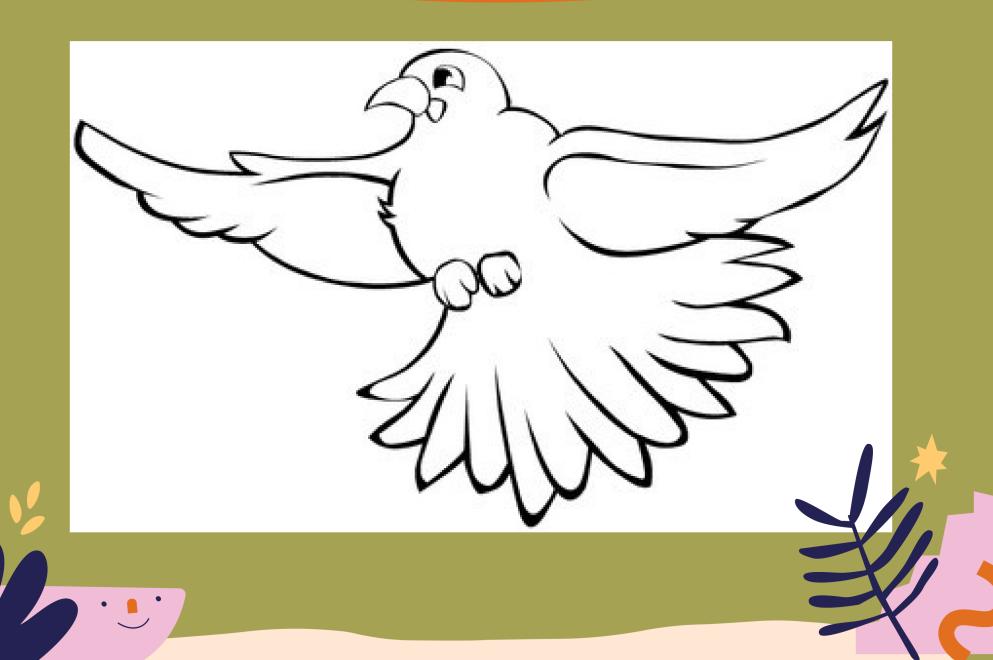
How can we study birds?

Measuring, monitoring and counting together!

How to measure?



How to measure?





How to use?

FOCUS FROM LOW TO HIGH MAGNIFICATION

DON'T WATCH THE SUN WATCHING THE SUN HURTS YOUR EYES

PLEASE USE GENTLY
BE CAREFUL NOT TO DAMAGE LENSES



STEP 1

TO ADJUST THE LEFT AND RIGHT WIDTHS

(CO)





STEP 2

FOCUS ONE EYE AT A TIME









STEP 3

LET'S WATCH









How many birds are there? 28

0		3	0
0	1 14 x x x x x x x x x x x x x x x x x x	0	0

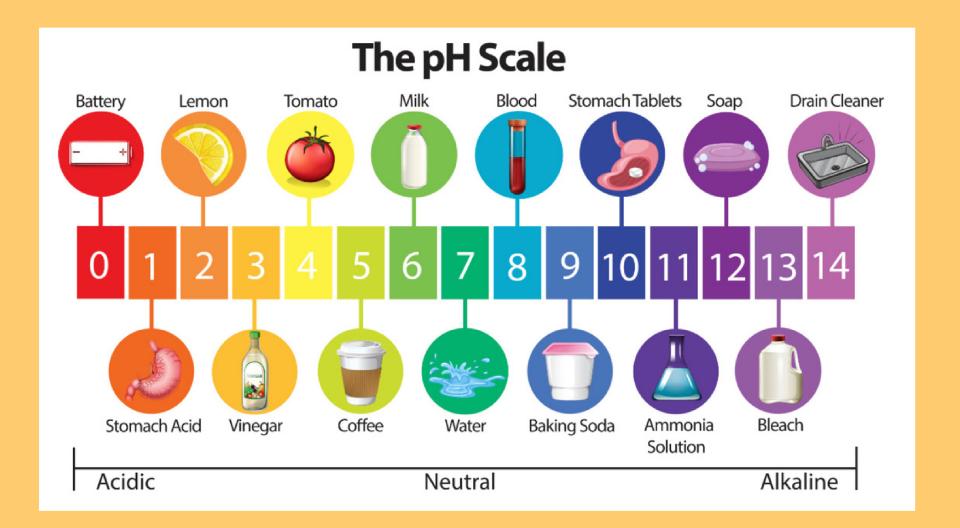
PH test

PH test is a way to measure the acidity of water by changing the color of the paper.





This color is...



Quiz

Let's guess the PH level.



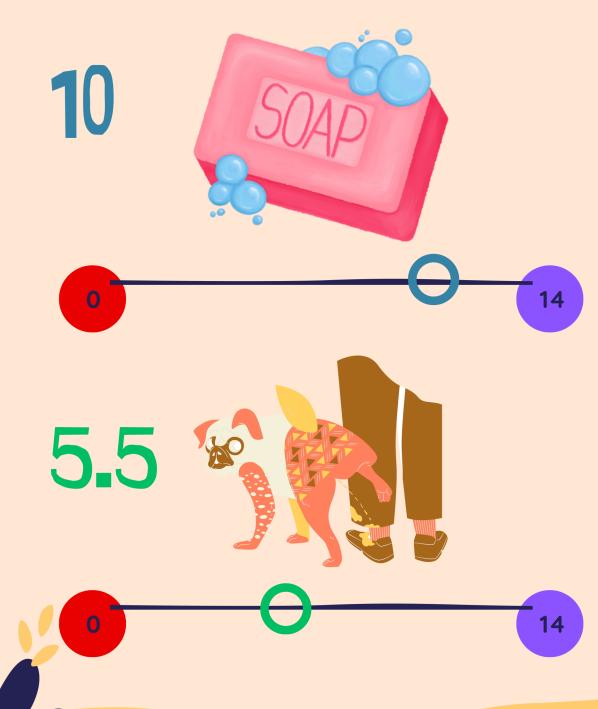
14



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Quiz

Let's guess the PH level.



What does it mean?



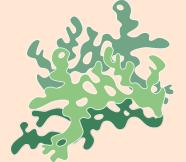




Inflow of nutrients from factory wastewater, livestock wastewater, domestic sewage, etc







Too many plants and plankton cover the water, preventing the inflow of light and constantly consuming oxygen

Underwater ecology due to lack of light and oxygen
System destruction
(collective death)





Doctor, Wetland

Wetlands regulate the nutrients of water, allowing plants and plankton to exist in a balanced manner.

Wetlands purify toxic substances such as detergents and polluting water in coal mines.

Protecting wetlands is protecting the ecosystem.

A variety of creatures will make wetlands even better, protecting the nature of our future.











Good Job!

If you have any question, feel free to ask!

