

DO SCIENCE WITH YOUR PHONE!



SunSketcher

Help NASA Scientists find the shape of the sun with the SunSketcher app!



BAILY'S BEADS

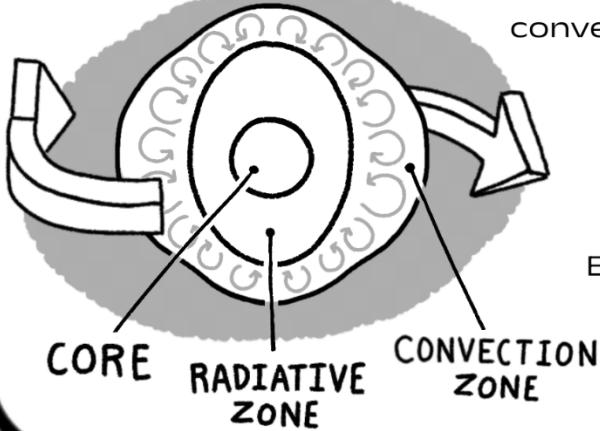


No! The sun is not perfectly round! Its an oblate spheroid, which means the shape is like a slightly squished ball.

The reason for this is because the inside of the sun is filled with flowing currents of plasma called the convection zone, much like how our ocean has currents of water.

The flow of these currents cause some parts of the sun to spin faster and flare out from centrifigul force, similar to a twirling skirt.

Baily's beads are bits of sunlight poking through the moon's valleys during a total eclipse. And because we know the size of these rocky valleys they become a useful ruler for measuring our sun and learning about the forces inside!



iNaturalist

Join the global effort to document the Earth's biodiversity with iNaturalist!

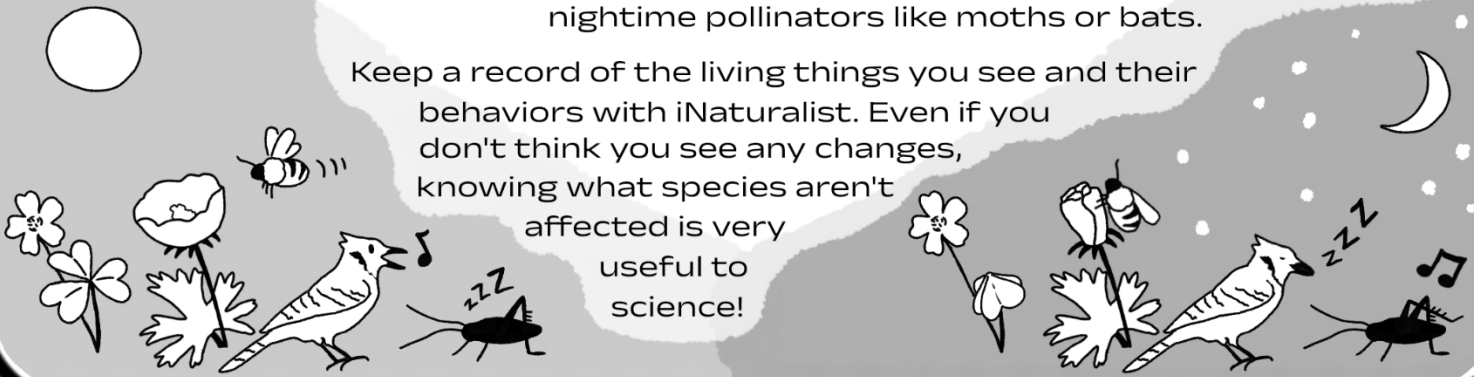


EXAMPLE OBSERVATION FROM OUR KIMBERLIE @ THE B.R.I.T.!

What's happening with plants and animals during the darkness of a total solar eclipse? Do you notice any night time behaviors or visitors?

At the end of a normal day diurnal animals go to sleep, while some plant species close their flowers or leaves. Then nocturnal animals wake up and even some night blooming plants may open to attract nighttime pollinators like moths or bats.

Keep a record of the living things you see and their behaviors with iNaturalist. Even if you don't think you see any changes, knowing what species aren't affected is very useful to science!



STAY SAFE!!! NEVER look at the sun (even a small piece of it) without proper ISO 12312-2 regulation eclipse glasses. **NEVER** use eclipse glasses to look through a lens, like with a camera, telescope, or binocular because the focusing power of the lens will make the light burn through it. And **NEVER** try to use sunglasses instead of eclipse glasses. You will permanently damage your eyes!