

EARTHVERSE

From the beginning humanity has always looked into the heavens and tried to find its own image. From the genius thinkers who saw images in the stars that no one else could, to modern day Planetary scientists who draw comparisons of other planets with our own blue dot, we've made sense of the objects we see in the sky by what we have seen in nature.

With EarthVerse we look to continue this trend and ask the participants to look at the images that follow and give back the most apt comparisons to naturally occurring phenomenon/objects.

The challenge opens on the 23rd and will close on the **29th of April 11:59PM. (Not counting the late submissions)**

Instructions -

You will be given a set of images captured on Earth. **Set A** will include images taken of the night sky, and you will be required to find appropriate images of objects/phenomena from Earth that have properties similar to that of the given prompt. The properties may be visual, underlying processes, or any other details of the object in the given image. In **Set B** you will be given a set of images of Earth and you will be required to find the astronomical counterparts.

For each image you are given, you will be required to submit an image of the object you refer to as its counterpart and a short description on how you draw the comparisons.

Rules -

1. You cannot use images of paintings for your comparisons in either set.
2. In Set B you may use artist's description of astronomical bodies, but not for Set A.
3. If the submitted image and description is inappropriately numbered the participant will not receive any points for the entry in question.
4. Participants who submit inappropriate images or foul language will be disqualified.
5. If the participant cannot be contacted on announcement of results the participant will be removed from their position.
6. Some prompts will have taboo responses. If any taboo images are submitted, **0 points** will be awarded for the given prompt. **(The taboo responses will be indicated next to the prompts)**
7. Each submission should have with it a title and a short description of how the image is similar to the given prompt.

Grading Rules -

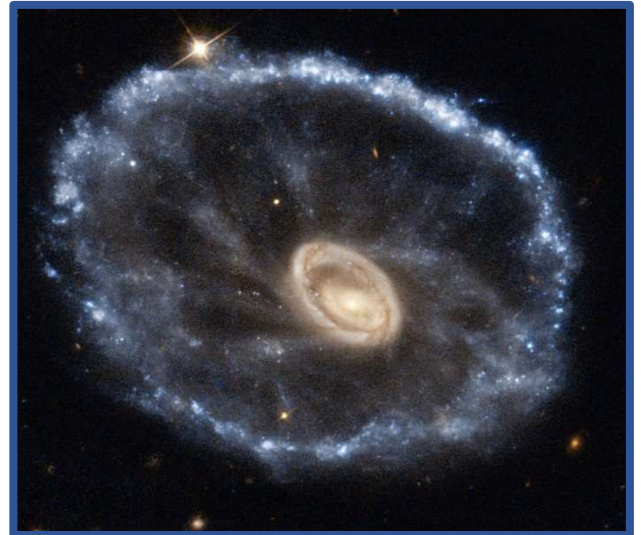
1. The grading will be done based on the image and description. **Images without description will be awarded 0 points.**
2. You will be awarded 0 points for non-submissions for any prompt, and the max points per prompt will be 10.
3. **Points will be awarded on a relative scale.** i.e.; If there is only one participant who has given an answer for a given prompt that participant will be awarded full points for that prompt. Else everything will be normalized to the top score for each prompt. (Thus, adding submissions for every prompt is in your interest)
4. Uniqueness will be another criterion for evaluation, i.e.; if more than one person has submitted the same image for a given prompt that entry will receive lesser points
5. **Late submissions of upto 12 hours** will be allowed though you will be given negative points proportional to how late your submission is. (The points deducted will increase continuously with time to a maximum of 40 points at 12 hours, further entries will not be accepted.)

Good Luck !

EXAMPLE

Prompt A.1)

Image: Cartwheel Galaxy (PGC2248)



Taboo response –

Image: Wheel



Sample response -

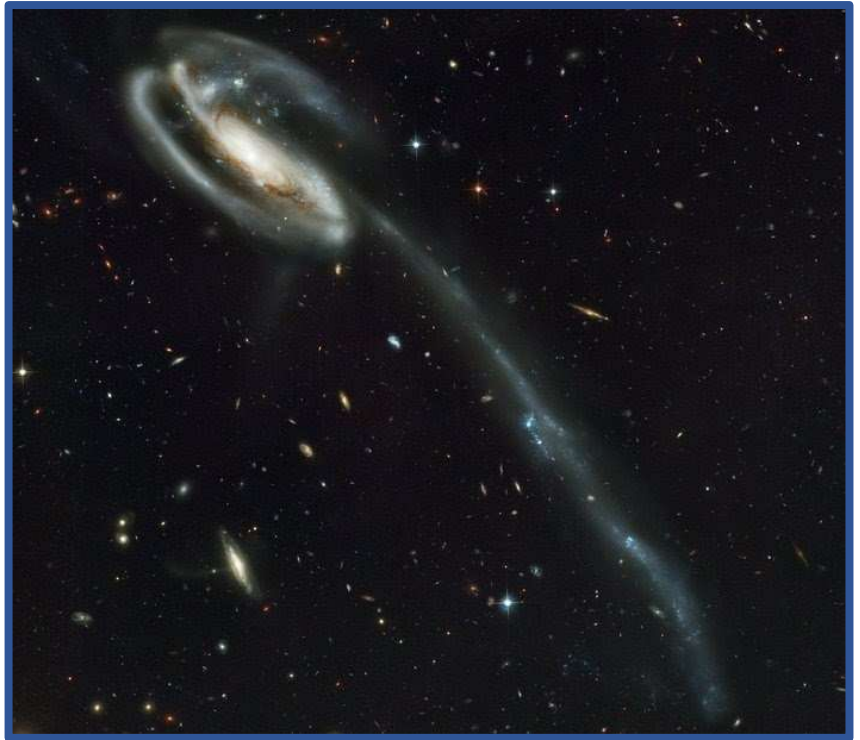
Image : The halo formed around the sun. Apart from the structural similarity of the circle around a central object and the spokes in between, one can notice that the halo has bluer wavelengths (shorter wavelength) on the outside and redder wavelengths (longer wavelength) on the inside. This matches with the pattern on the cartwheel galaxy where the bluer region (smaller wavelength) is on the outer part of the ring and redder wavelengths (higher wavelength) are on the inner side of the ring.



SET A

A1.

Tadpole Galaxy



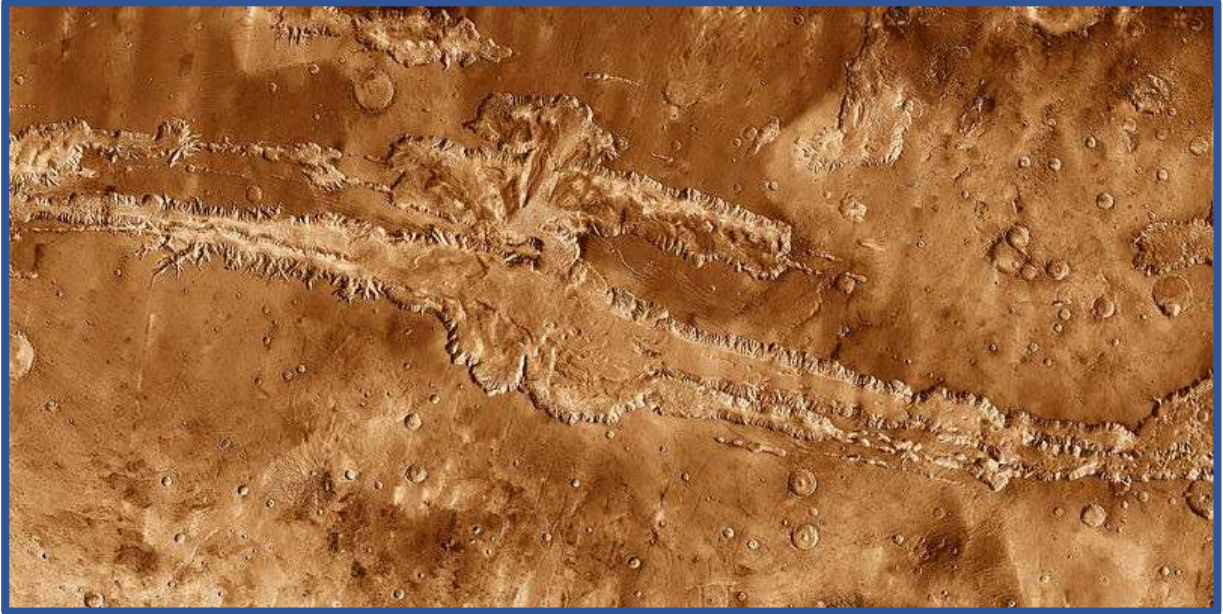
A2.

Butterfly Nebula

Taboo image: Butterfly



A3. Valles Marineris on Mars



A4. Twin Jet Nebula (M 2-9)



A5.

Coronal rain on the
Sun



A6.

Horsehead Nebula

Taboo image: Horse



A7.

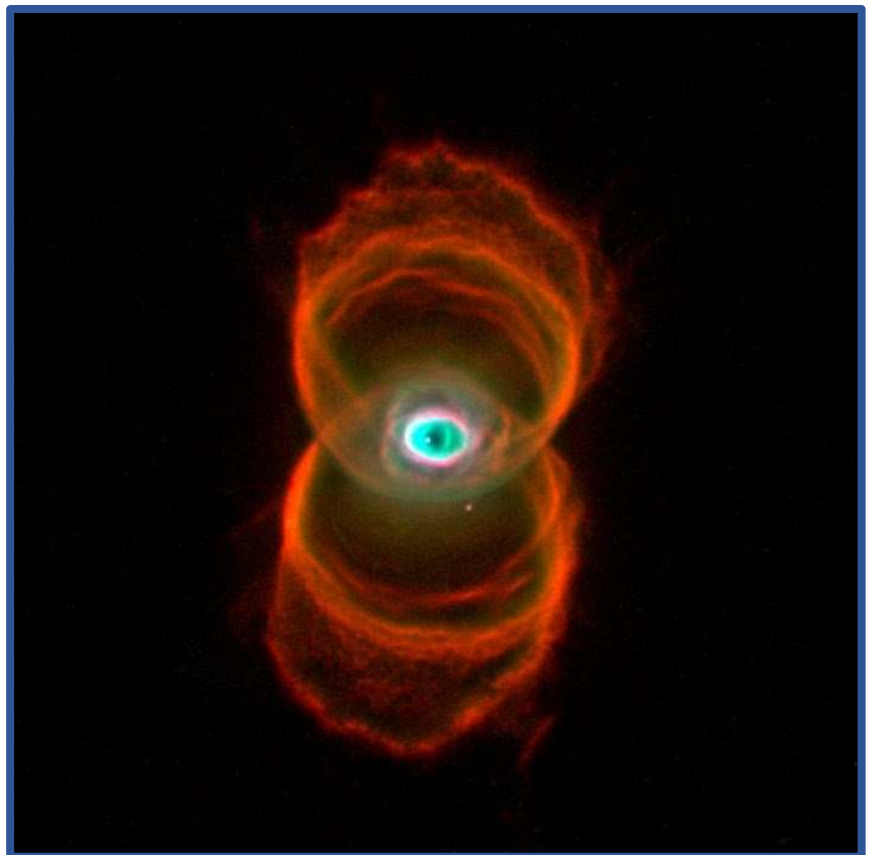
Veil Nebula



A8.

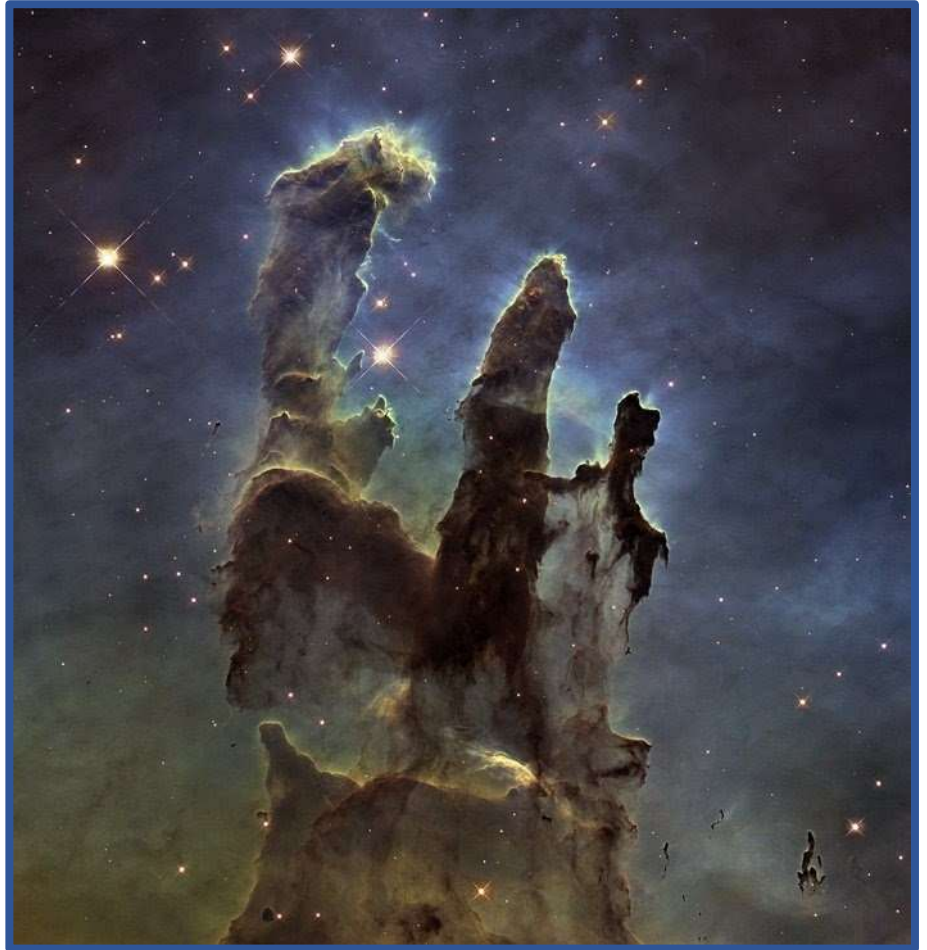
**Engraved Hourglass
Nebula (MyCn 18)**

Taboo image: Hourglass

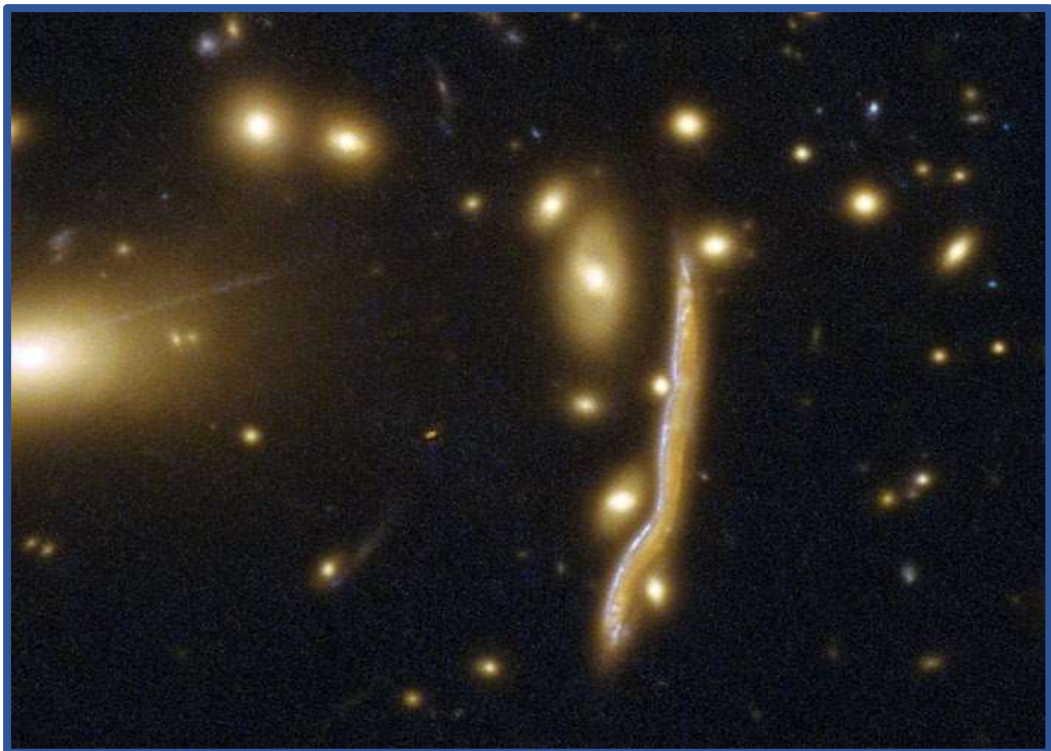


A9.

Pillars Of creation/
Eagle Nebula



A10. Distortion of galaxy due to Gravitational
Lensing (MACSJ126.2-0847)

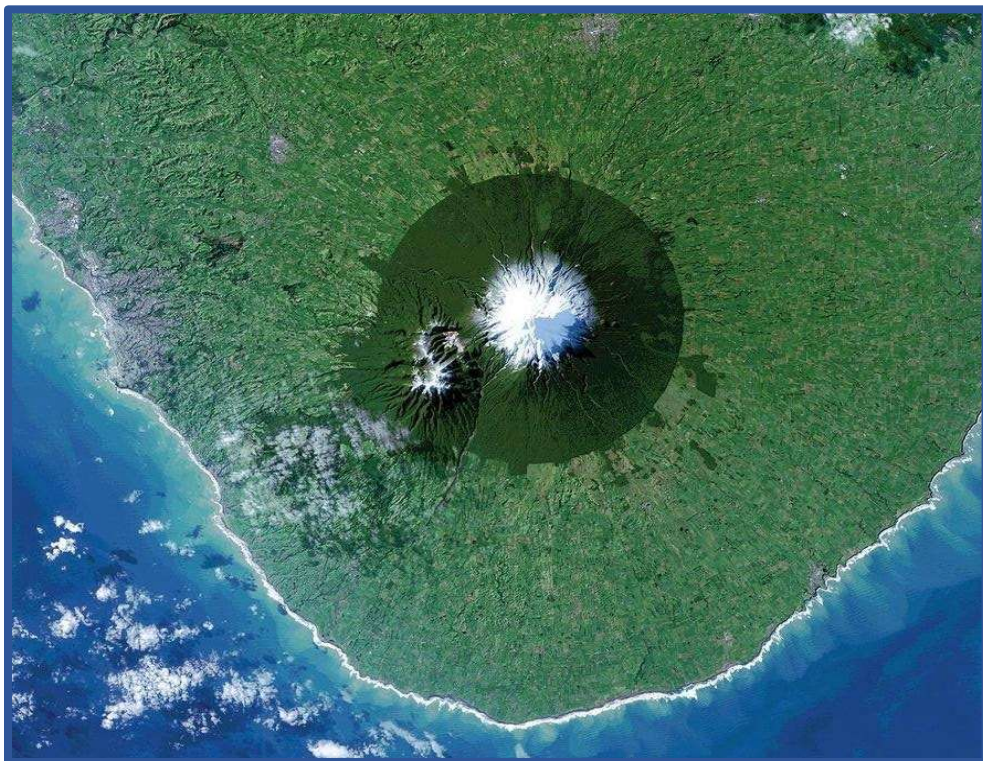


SET B

B1. Reflections on water



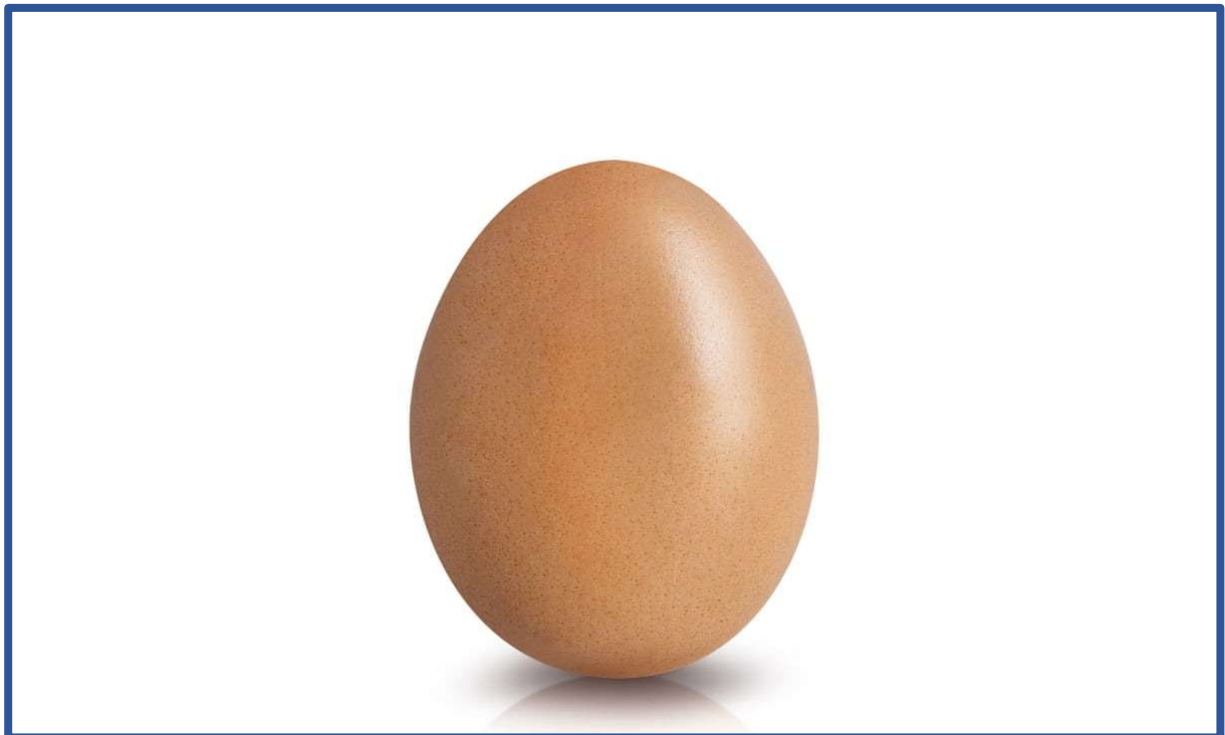
B2. Mount Taranaki



B3. Whirlpool



B4. Egg



B5. Image of Virus (Yaravirus)

