

## GUIDE FOR LUNAR EXPLORATION ACTIVITY

Our closest neighbor, the Moon has led the people of Earth to watch it out with wonder and fascination. We have often fancied that the Moon was an active world with its own life forms. Many observers have believed that they stumbled onto the visual evidence suggesting changes occurring on the Moon.

In this challenge, you will be observing various features on the surface of the Moon that past observers mistakenly believed indicated active changes on the Moon.

**TYPE OF ACTIVITY:** Observational Challenge

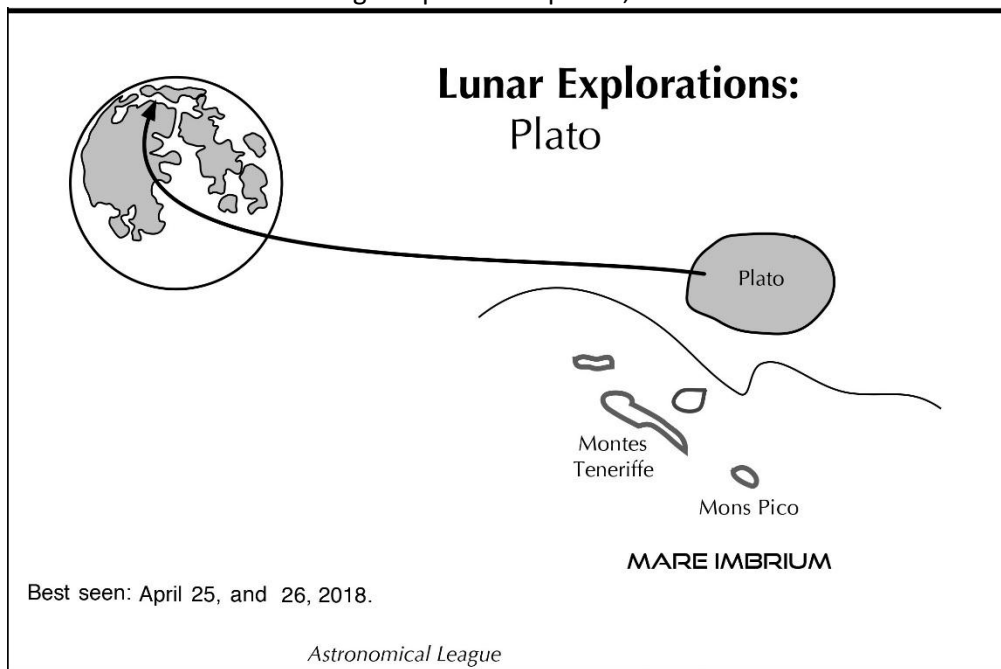
**EQUIPMENT NEEDED:** 50mm telescope

**NUMBER OF PARTICIPANTS:** Individual or team of 2 can take part in the challenge.

**CHALLENGE:** The challenge is to identify the listed five lunar features by observing the Moon with 50mm telescope. To help with the challenge, the following picture are provided as well:

### 1. CRATER PLATO

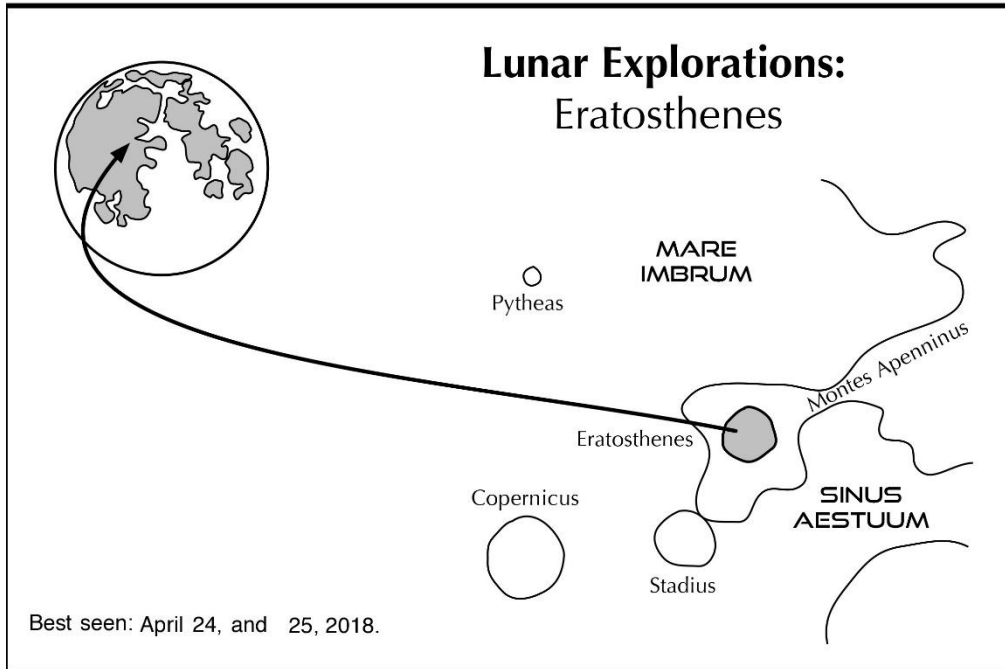
**Best time to observe:** Evening of April 25 & April 26, 2018



*Image credit: The Astronomical League*

## 2. CRATER ERATOSTHENES

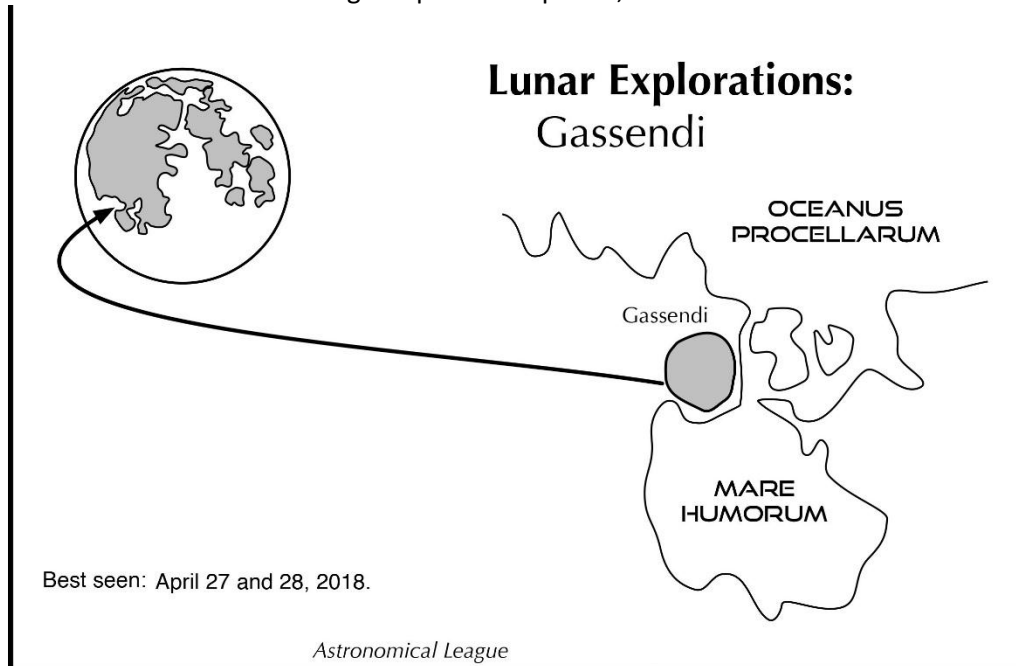
**Best time to observe:** Evening of April 24 and 25, 2018



*Image credit: The Astronomical League*

## 3. CRATER GASSENDI

**Best time to observe:** Evening of April 27 & April 28, 2018



*Image credit: The Astronomical League*

#### 4. CRATER FRACASTORIOUS

Best time to observe: Evening of April 21 & April 22, 2018

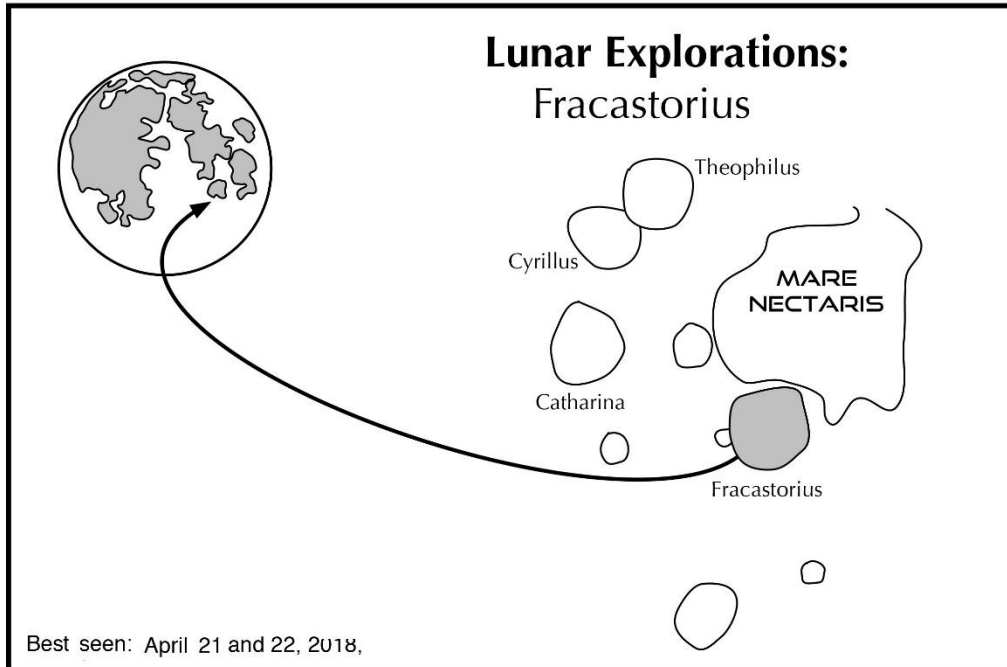


Image credit: The Astronomical League

#### 5. CRATER THEOPHILUS

Best time to observe: Evening of April 21 & April 22, 2018

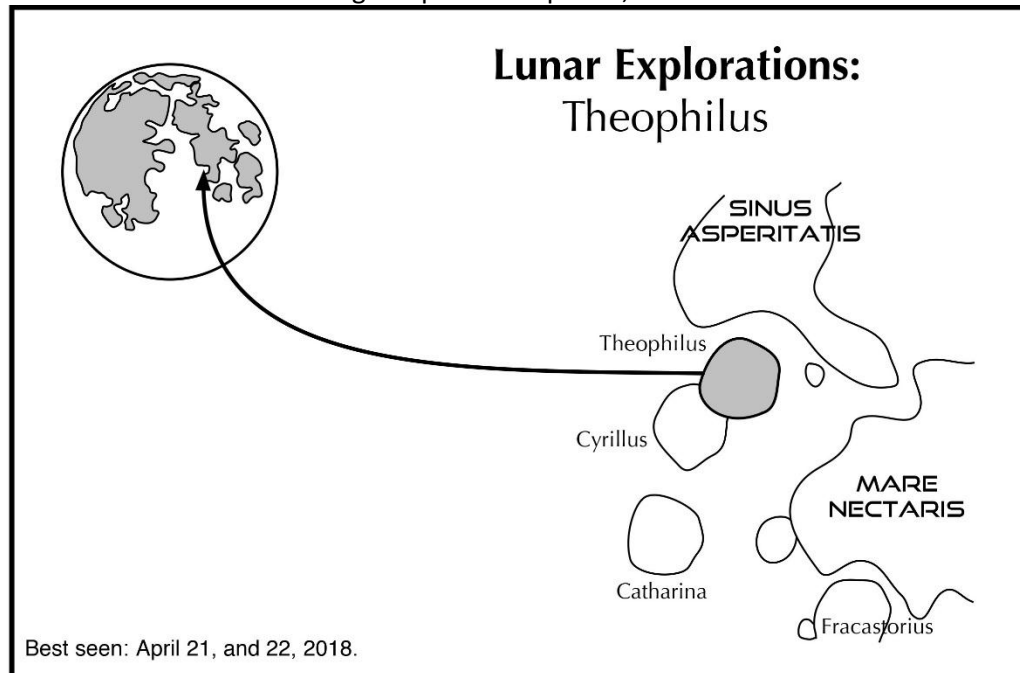


Image credit: The Astronomical League

**CONCLUSION:** Once you have observed and identified the features by observing the Moon with the telescope, mark the five lunar features in the given Moon Map.

