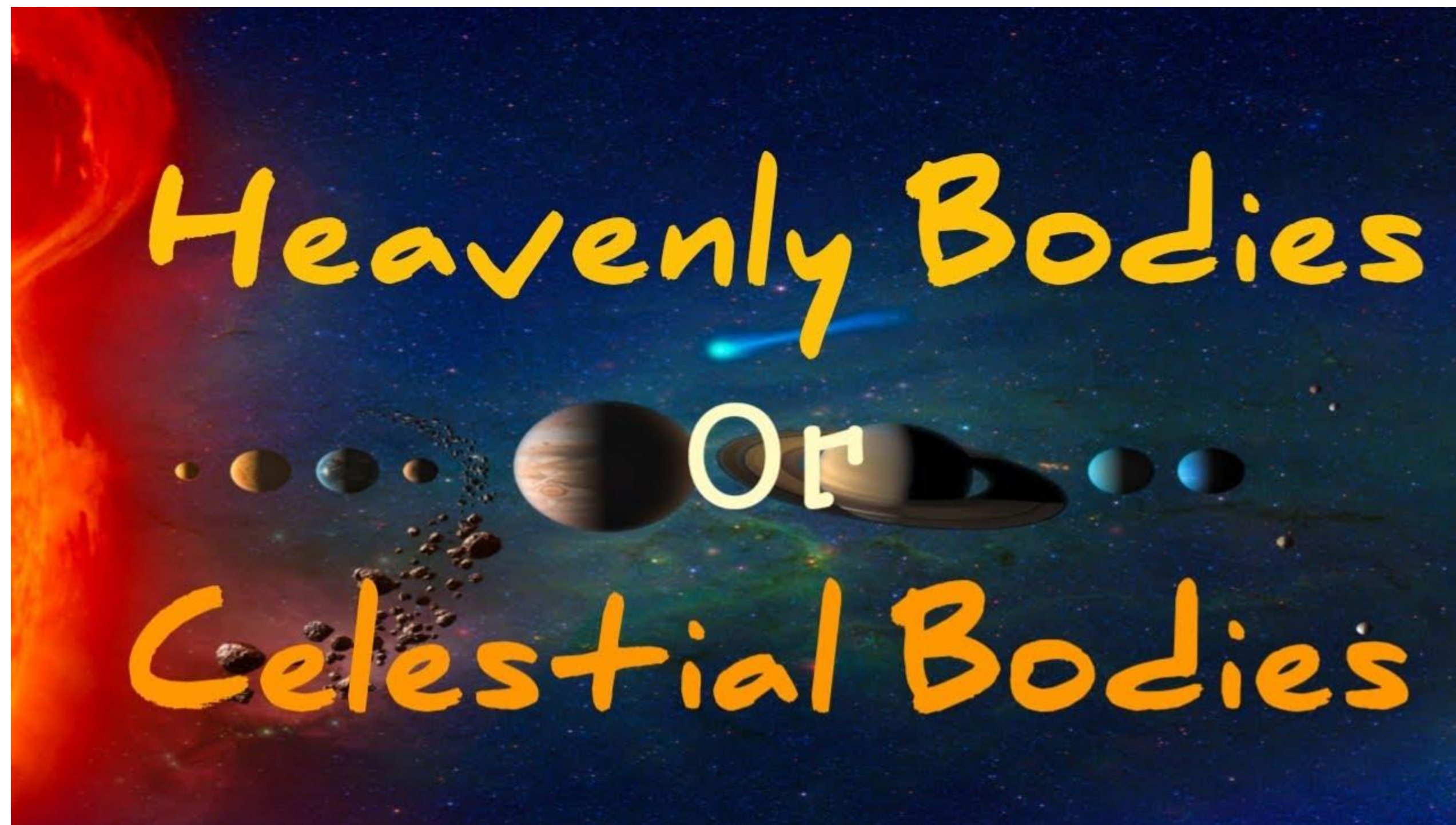


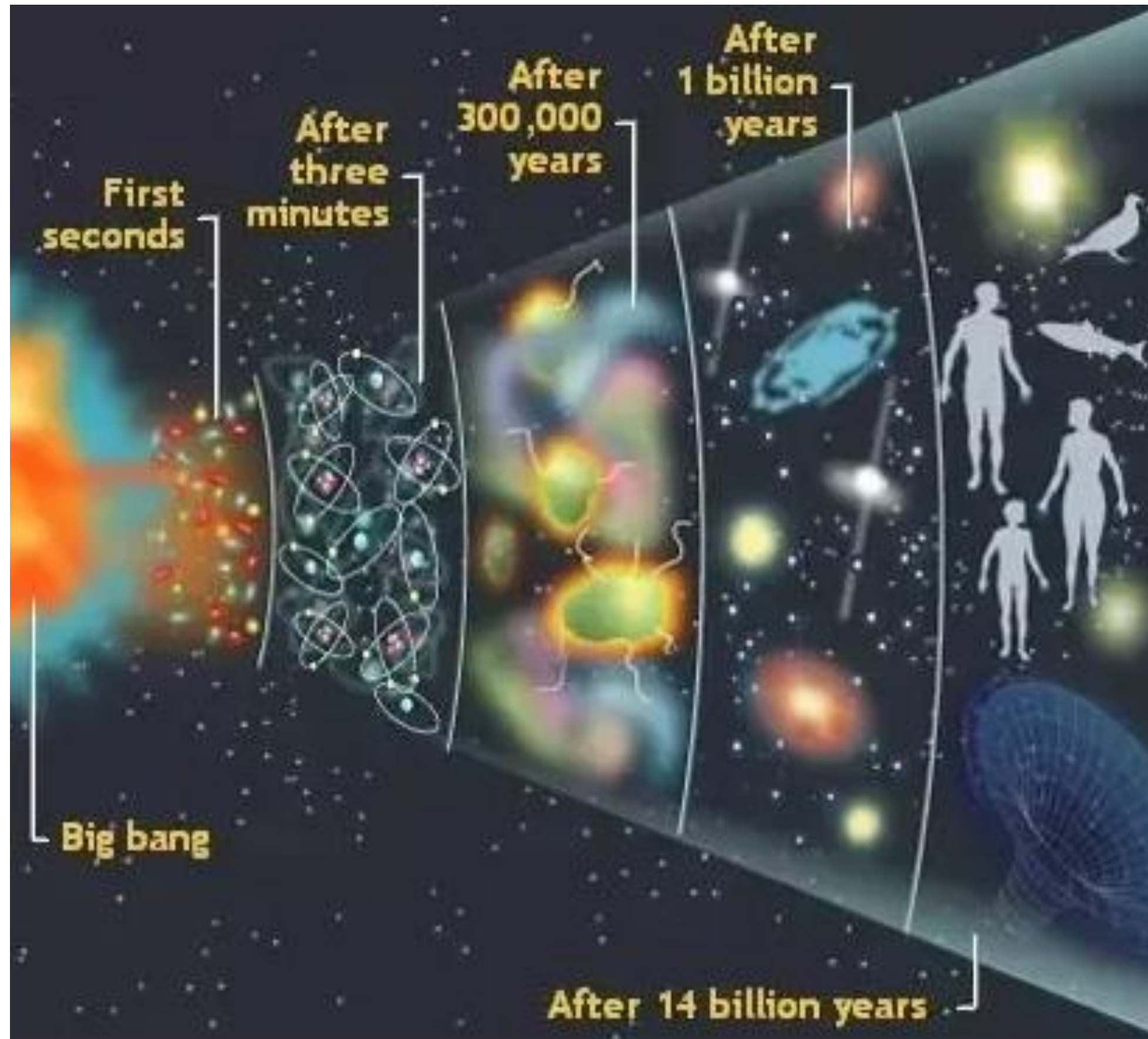
**GRADE-VI
GEOGRAPHY
CHAPTER-1
THE EARTH AND THE SOLAR SYSTEM**



everything that exists,
including the stars,
planets, and energy

universe

Game Smartz flashcard



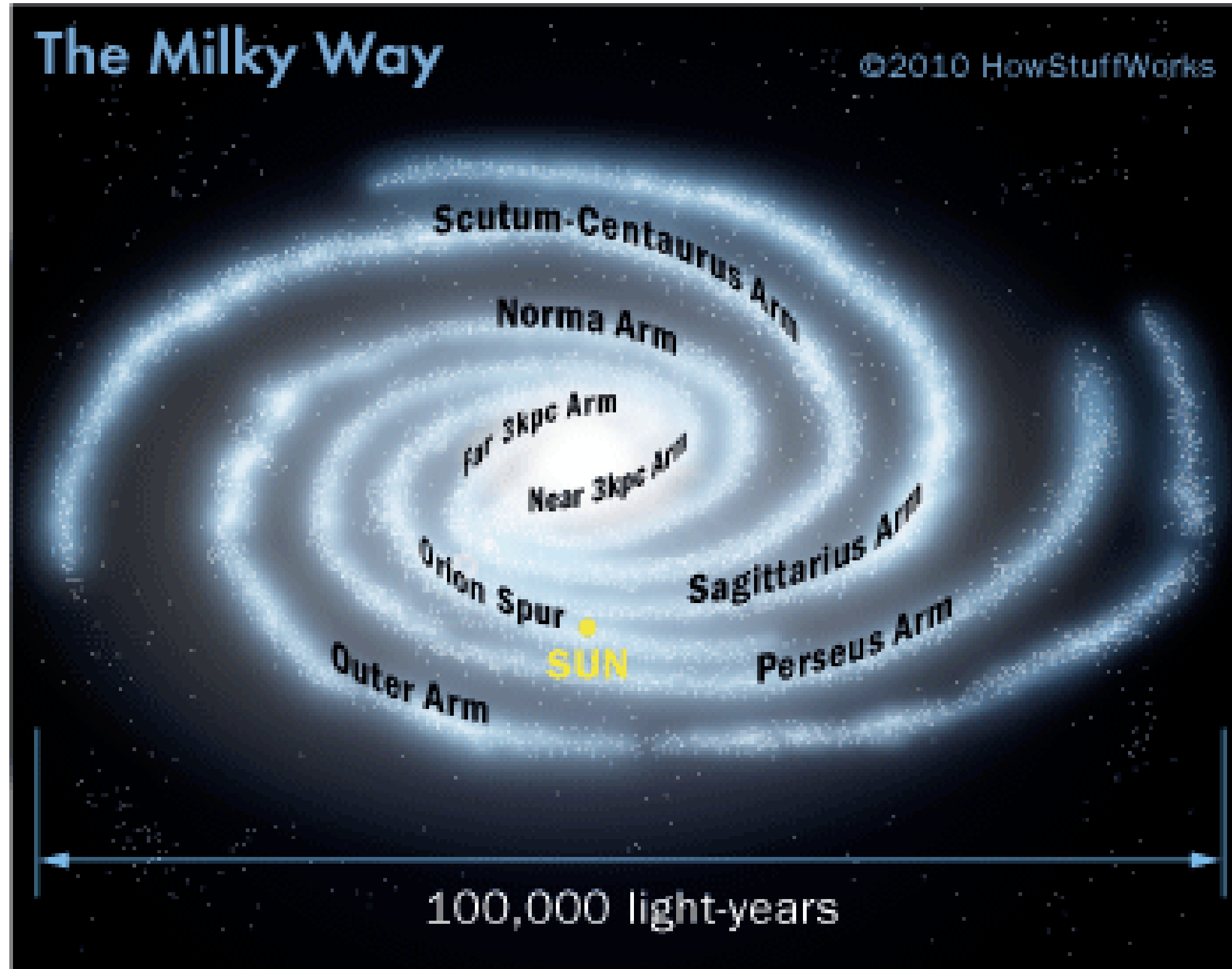
did you know?

didyouknowblog.com

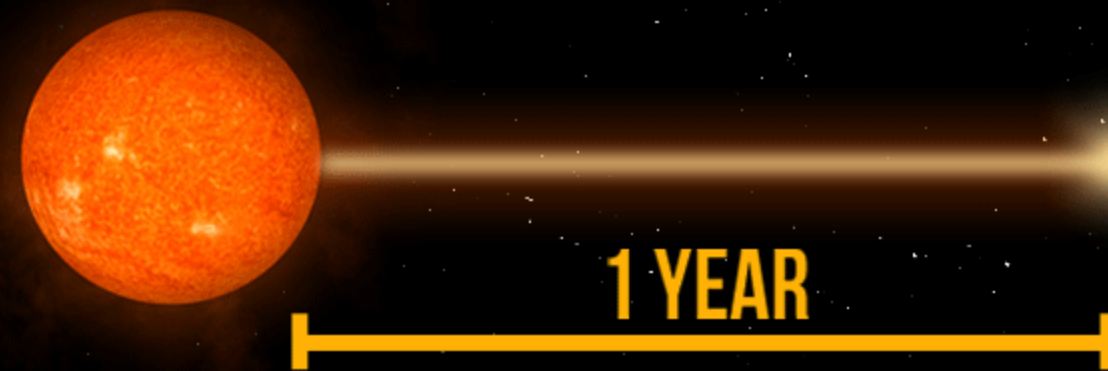
The Big Bang theory was invented by a Catholic priest. Monseigneur Georges Lemaître proposed that the beginning of the universe was a "Cosmic Egg exploding at the moment of the creation," which later became known as the Big Bang.







the distance light travels
in a year: 9.5 trillion km



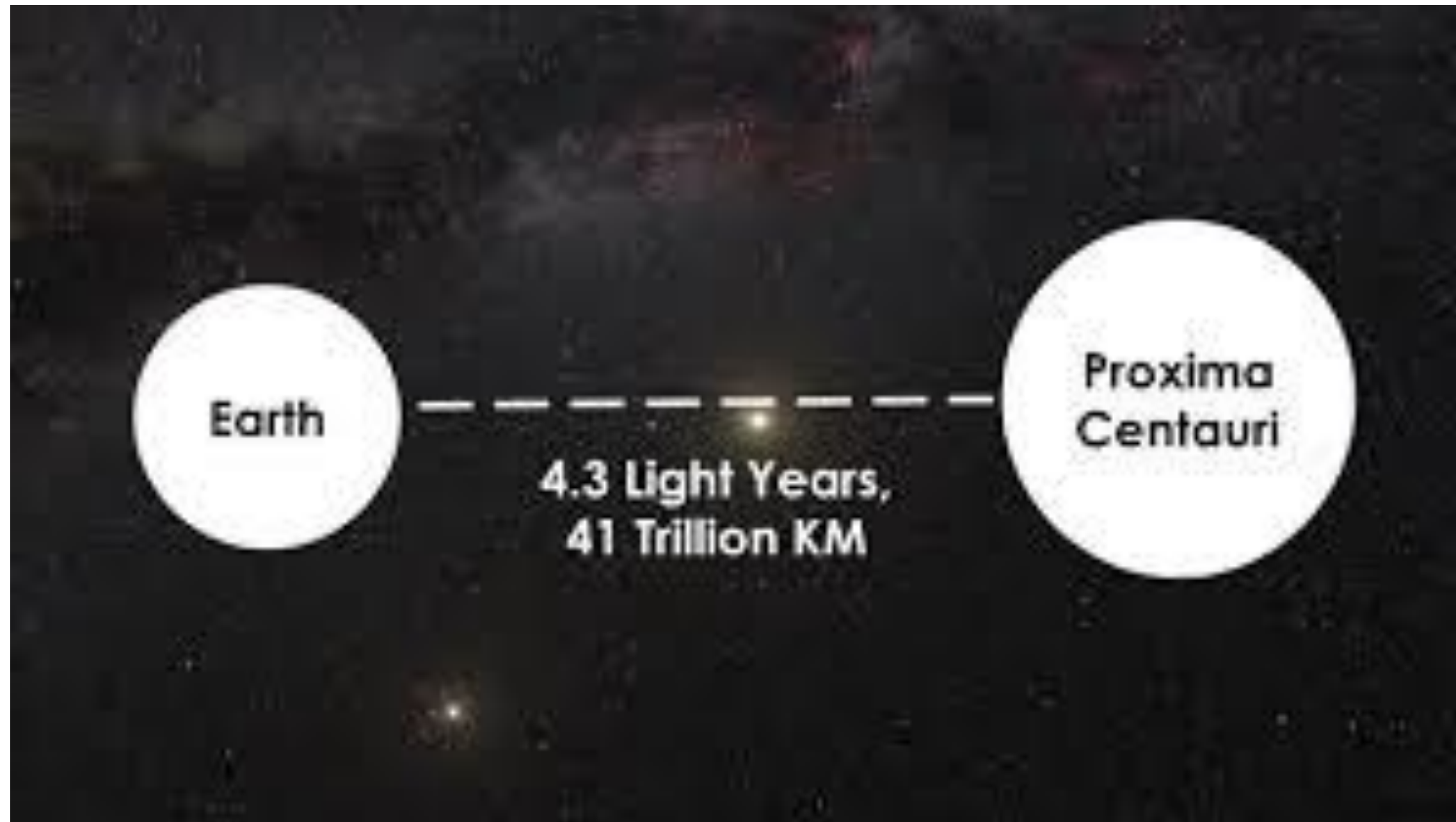
light year
Game Smartz flashcard

Definition of a star

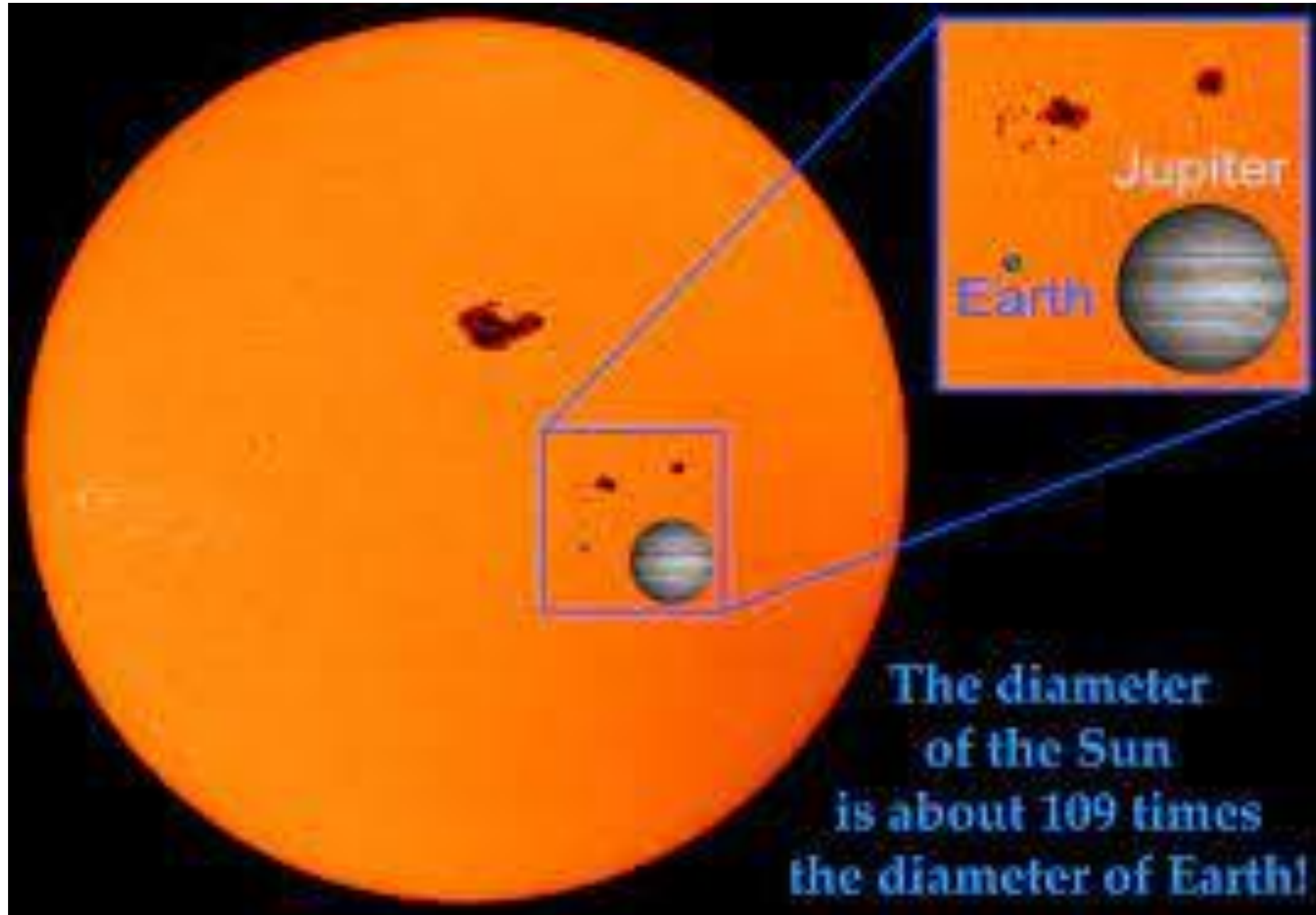
- It's a body of gases that gives off lots of energy in the form of light and heat
- They vary in size and mass, some are smaller than 20 km in diameter or up to a 1000 times the size of our sun!

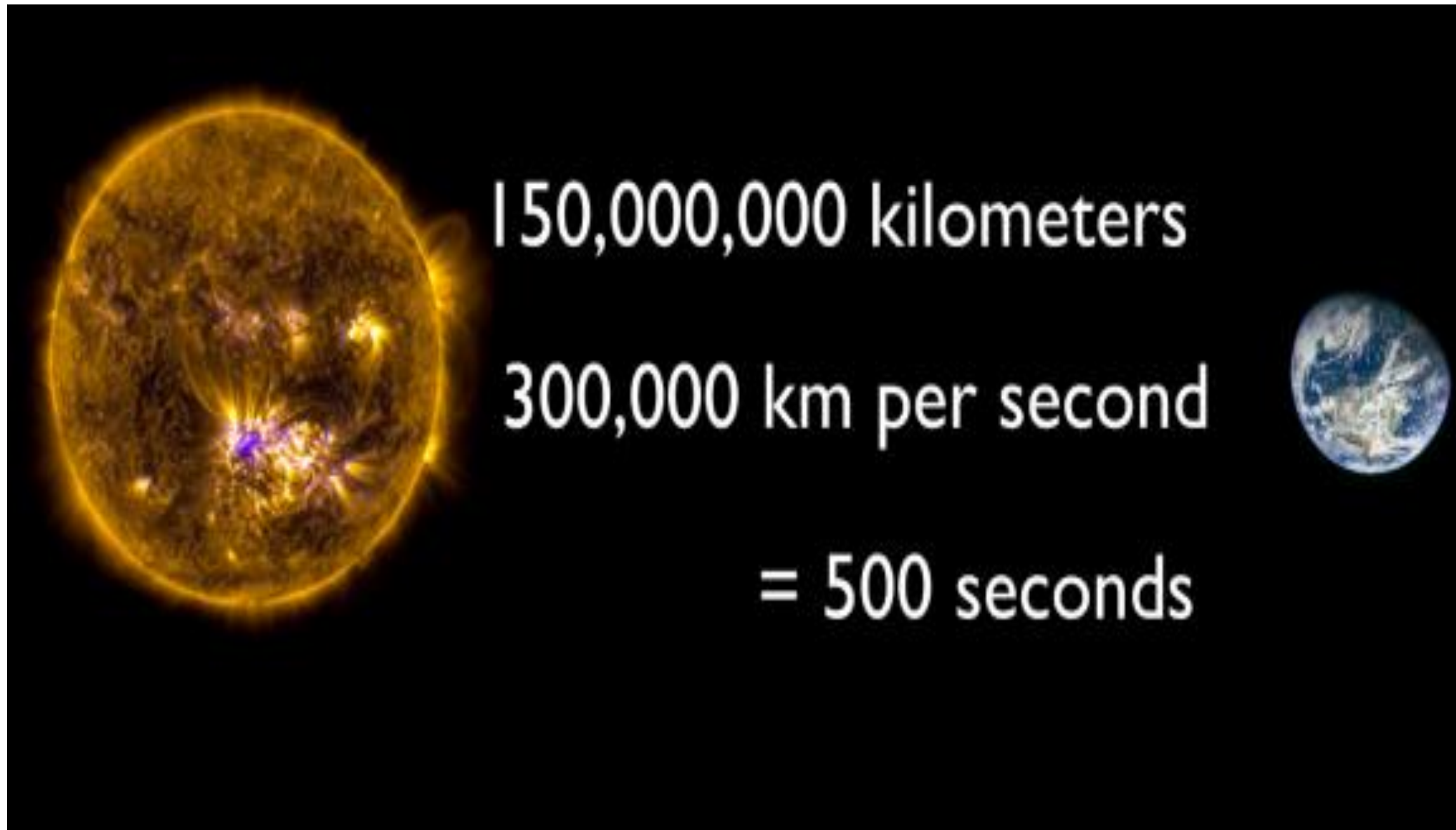
a huge cloud of gas and dust in space, where new stars form



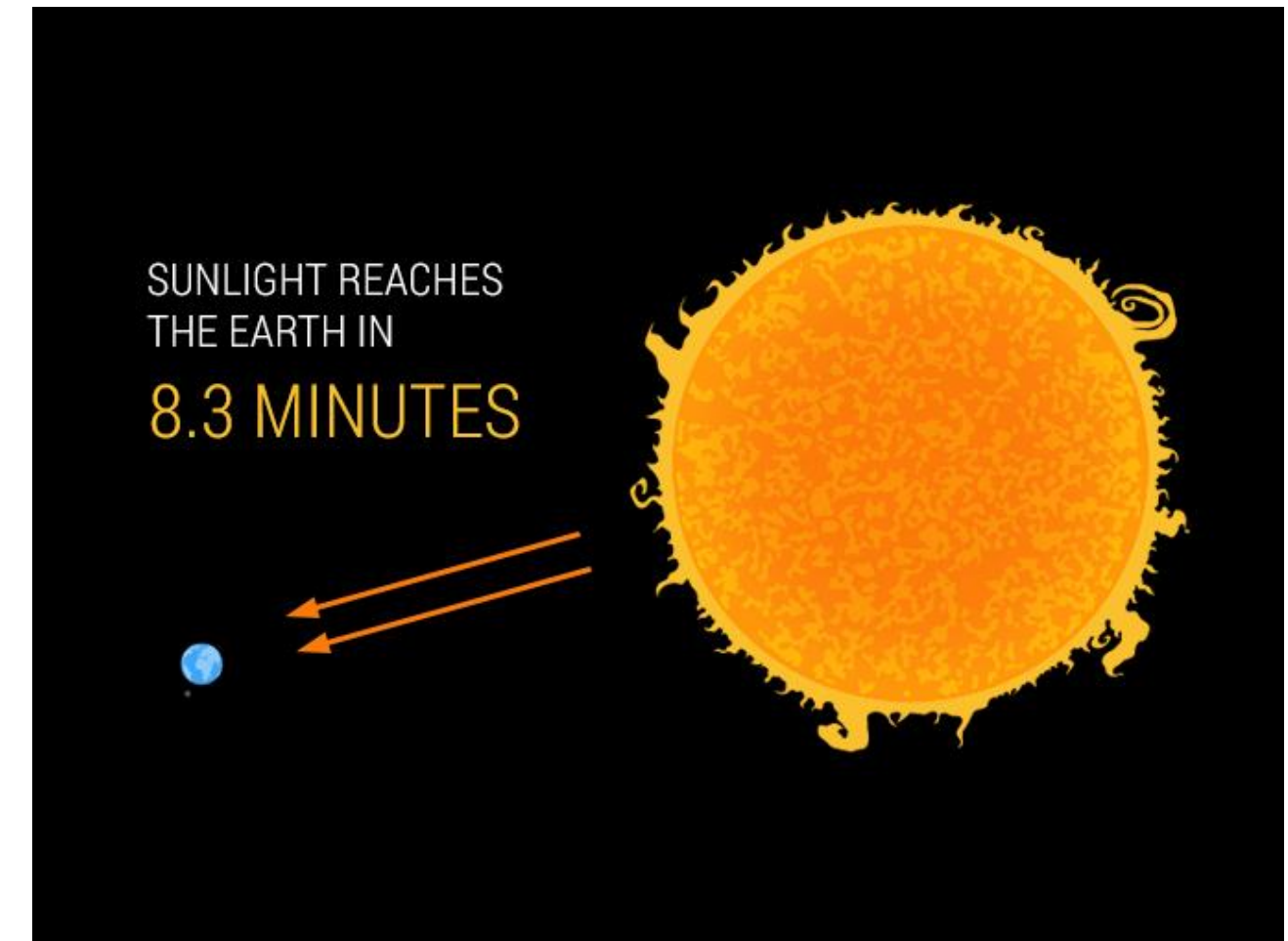




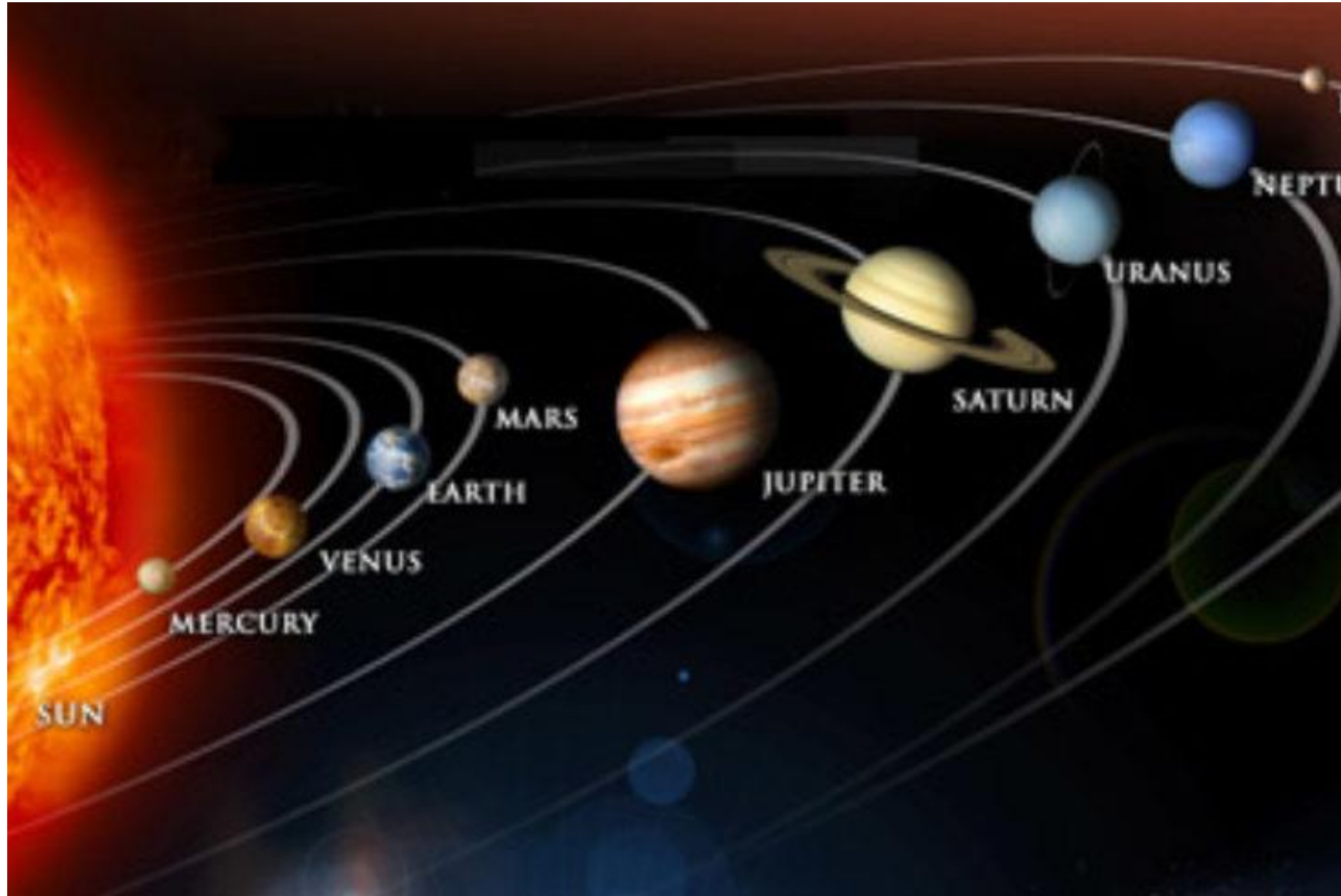


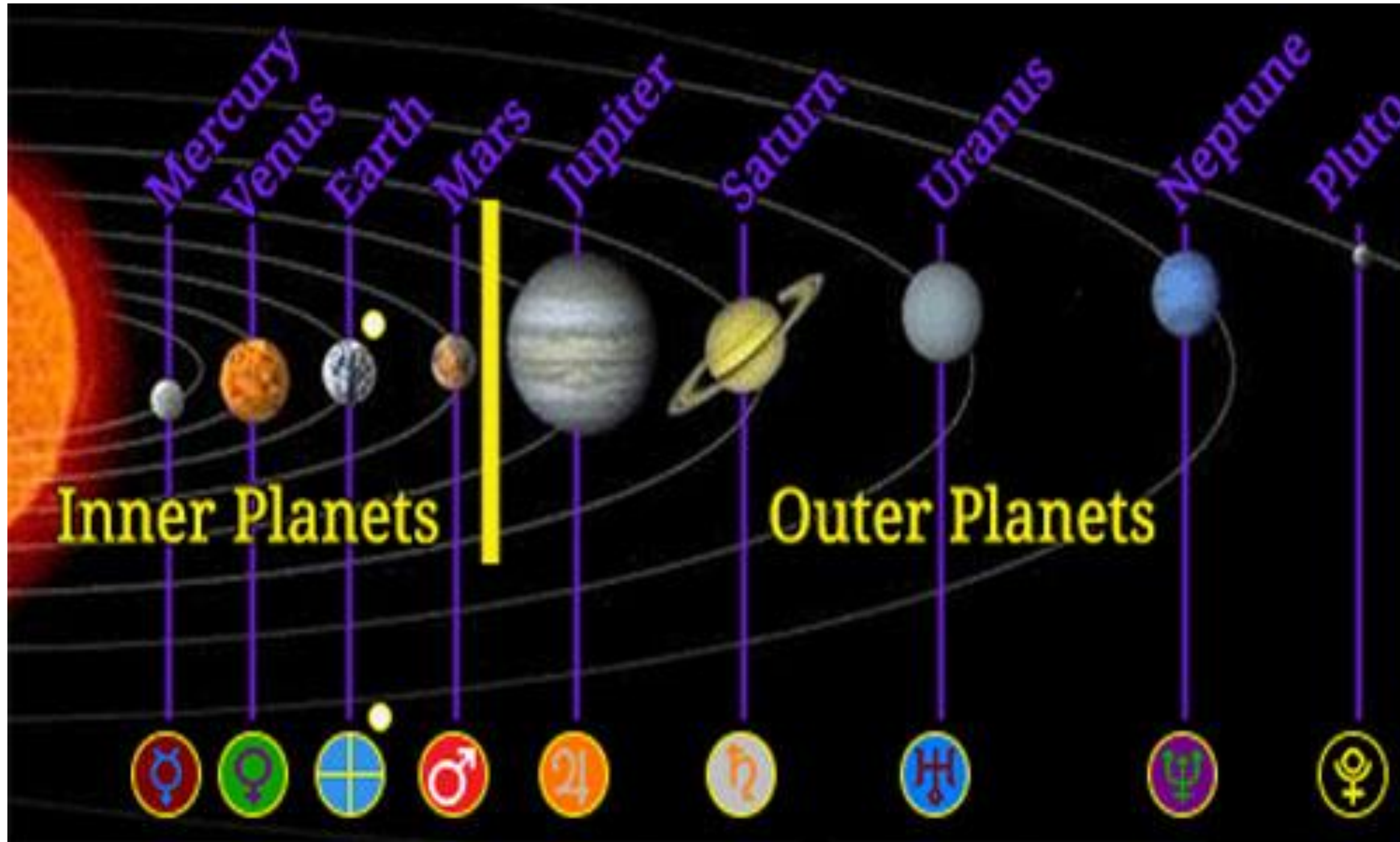


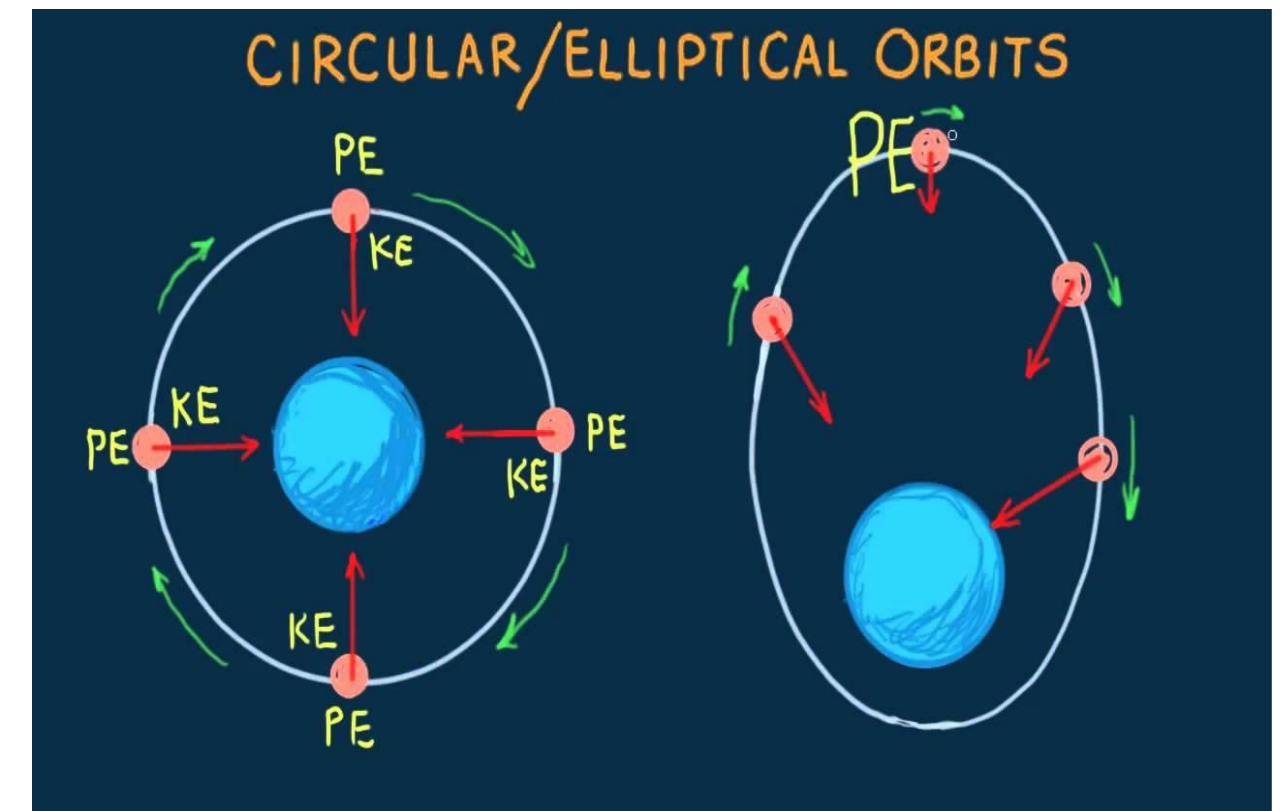
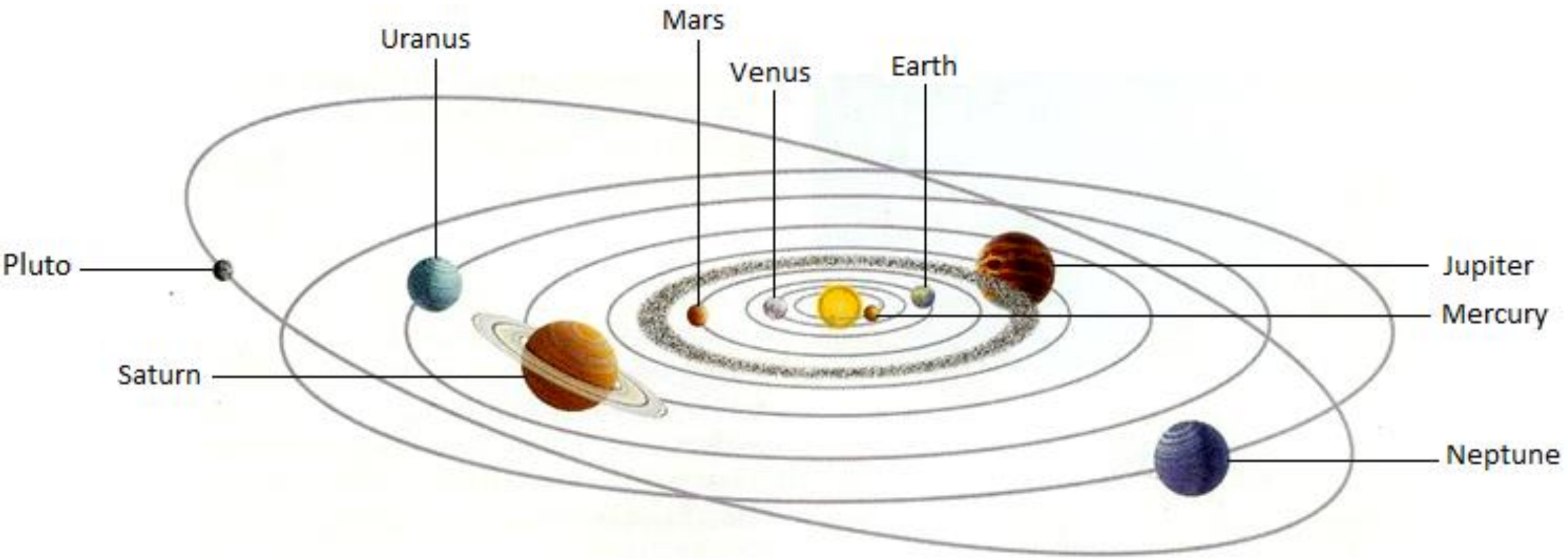
150,000,000 kilometers
300,000 km per second
= 500 seconds

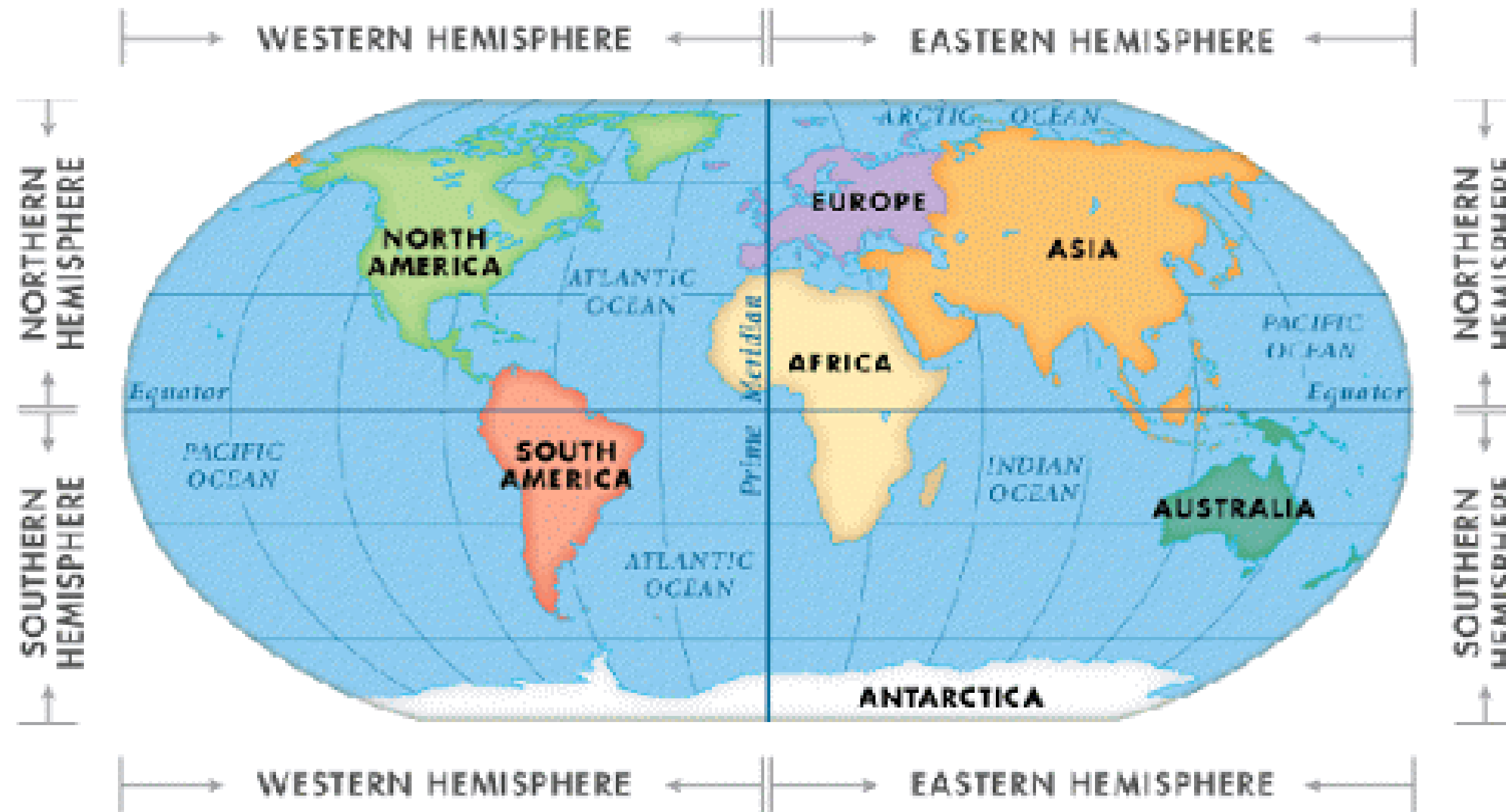
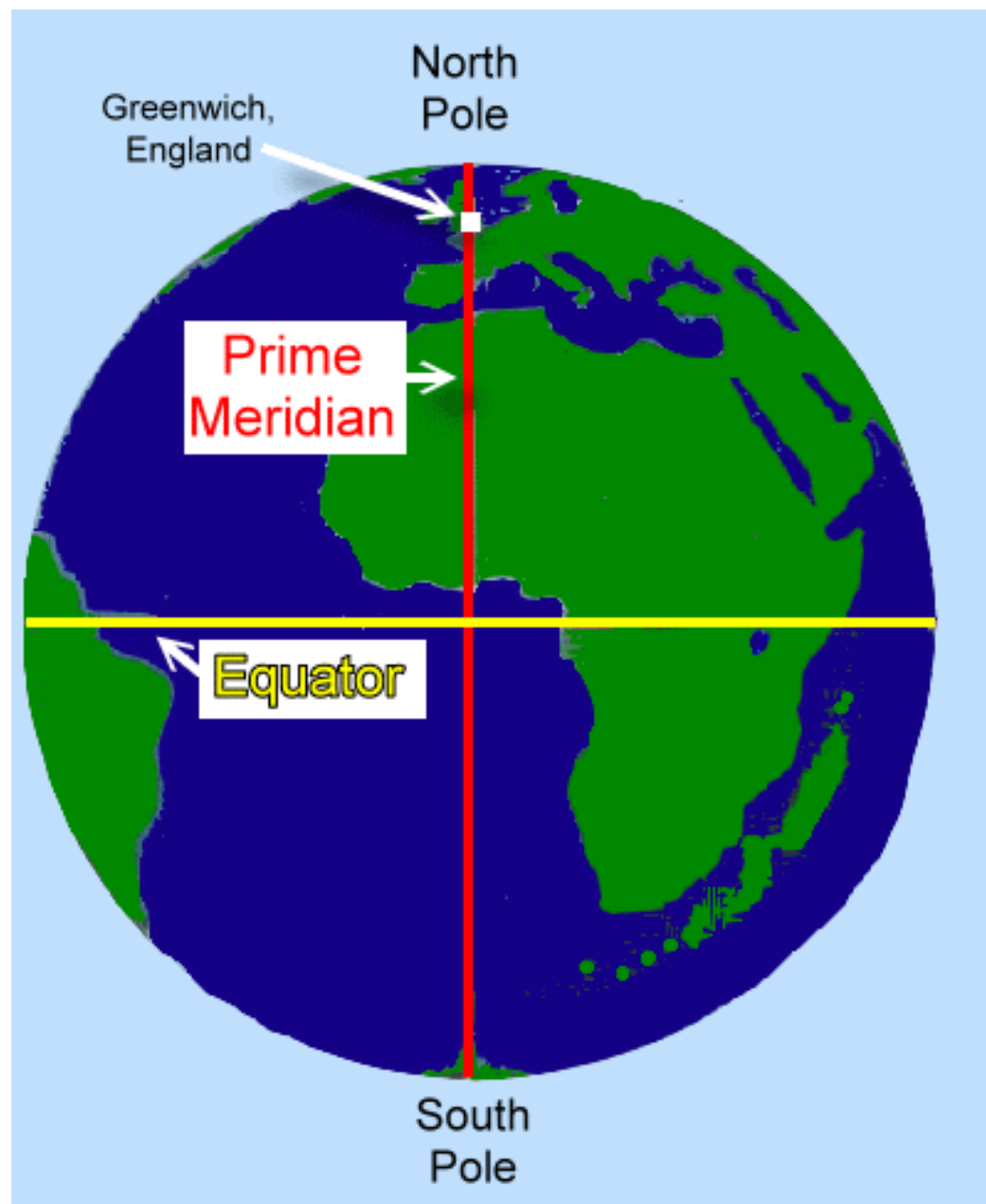


SUNLIGHT REACHES
THE EARTH IN
8.3 MINUTES









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FIRST VIEW OF EARTH BY ASTRONAUTS



GRADE-VI/THE EARTH AND THE SOLAR SYSTEM/Mrs. Sujatha/SOCIAL SCIENCE/SNS ACADEMY

The Solar System

- Planet names:
 - Mercury: Roman god of trade
 - Venus: Roman goddess of love.
 - Mars: Roman god of war.
 - Jupiter: King of the Roman gods.
 - Saturn: Roman god of agriculture.
 - Uranus: Greek god of the sky.
 - Neptune: Roman god of the sea.

Table 1. Names of the planets of the Solar System as gods and goddesses	
Hermes	Mercury
Aphrodite	Venus
Gaia (or Ge)	Tellus or Terra
Ares	Mars
Zeus	Jupiter
Kronos	Saturn
Uranus	Uranus
Poseidon	Neptune
Left: Greek; right: Latin (dwarf planets are not listed).	



ZEUS



HERA



ARES



APHRODITE



DIONYSUS



DEMETER



HEPHAESTUS



ATHENA



HERMES



PERSEPHONE



POSEIDON



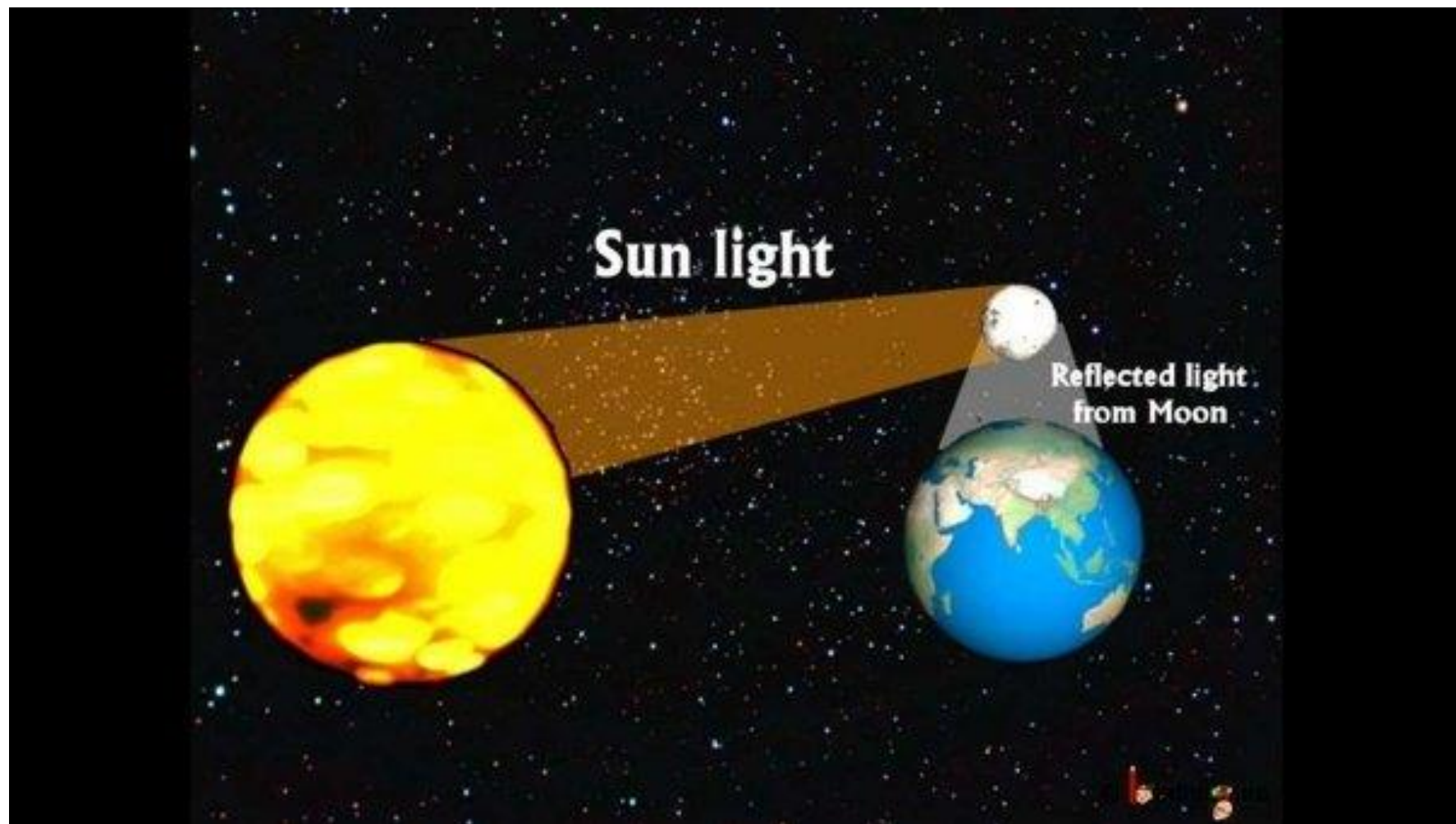
ARTEMIS



HADES



APOLLON





Wing Commander Rakesh Sharma turns 67 today

INDIA'S FIRST MAN IN SPACE

1966 , joined NDA as an Air Force cadet	1984 became the 1st Indian to travel in space, as part of a joint effort between ISRO and the Soviet Union
1970 , commissioned into the IAF as a pilot	7 days, 21 hours, and 40 minutes he spent aboard the Salyut 7 Orbital Station

Saare Jahan Se Achcha was his answer on PM Indira Gandhi asking how India looked from outer space

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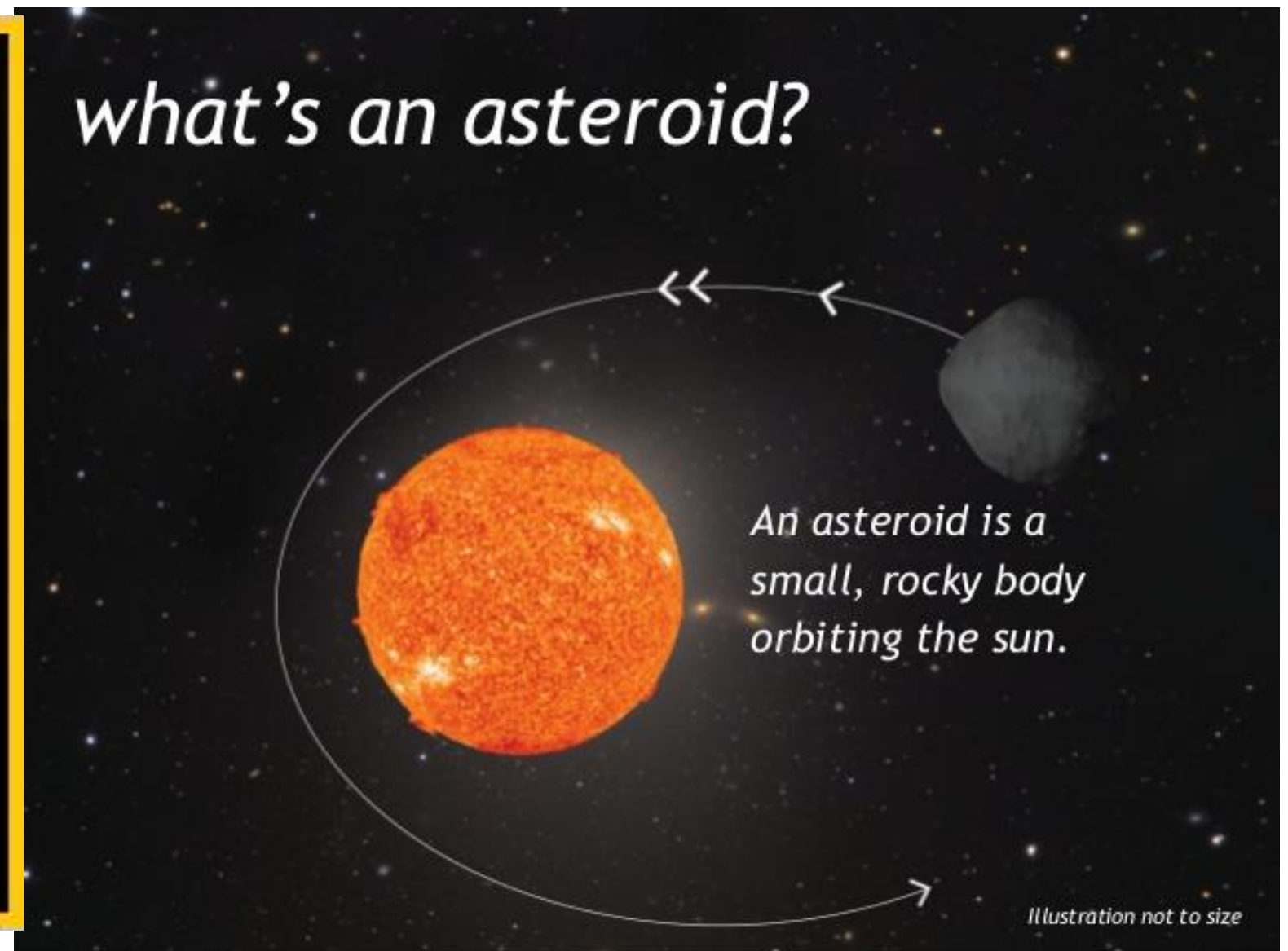
What is the difference between a waxing & waning moon?

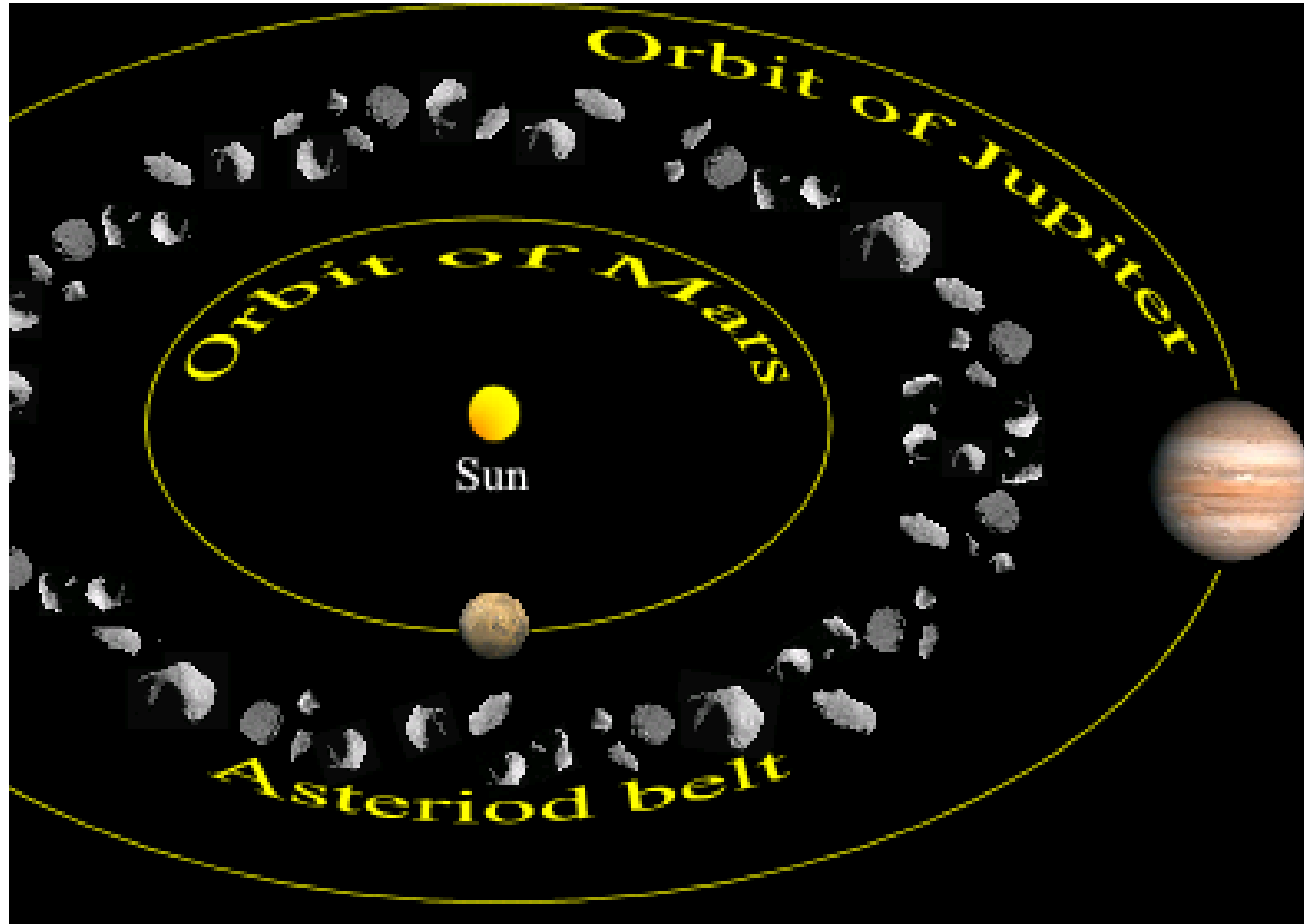


a) **Waxing Phases** – part of the moon that is visible **increases**

b) **Waning Phases** – part of the moon that is visible **decreases**



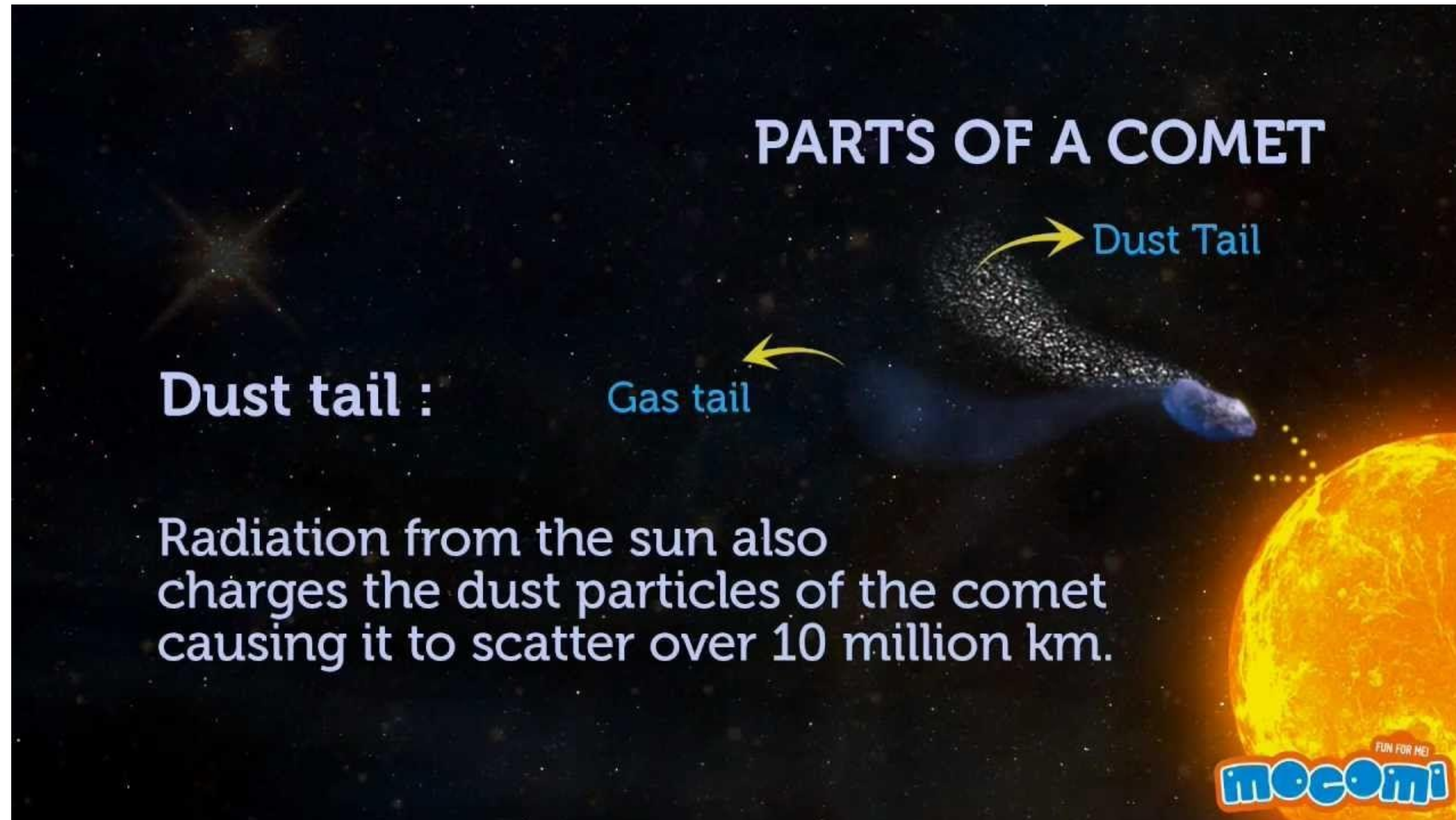




METEORITE

METEOR







When Earth passed through the tail of Halley's Comet during its 1910 approach, there was public fear that a gas discovered in the tail, cyanogen, would destroy all life on the planet, leading to people buying gas masks and "Anti-Comet Pills."

Photo courtesy of NASA

weird-facts.org

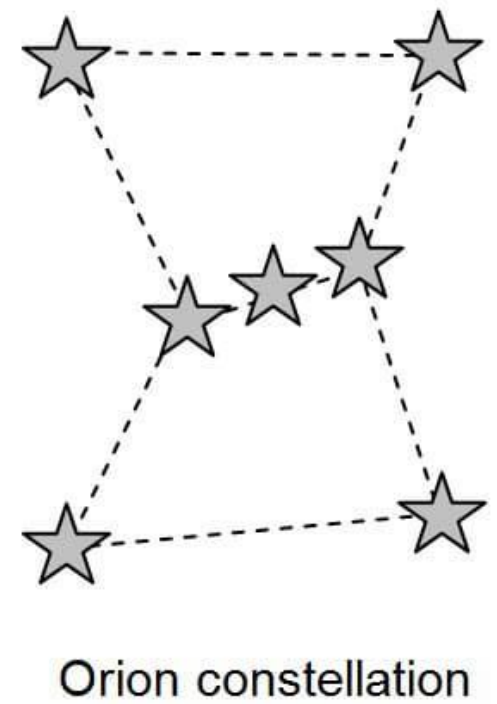
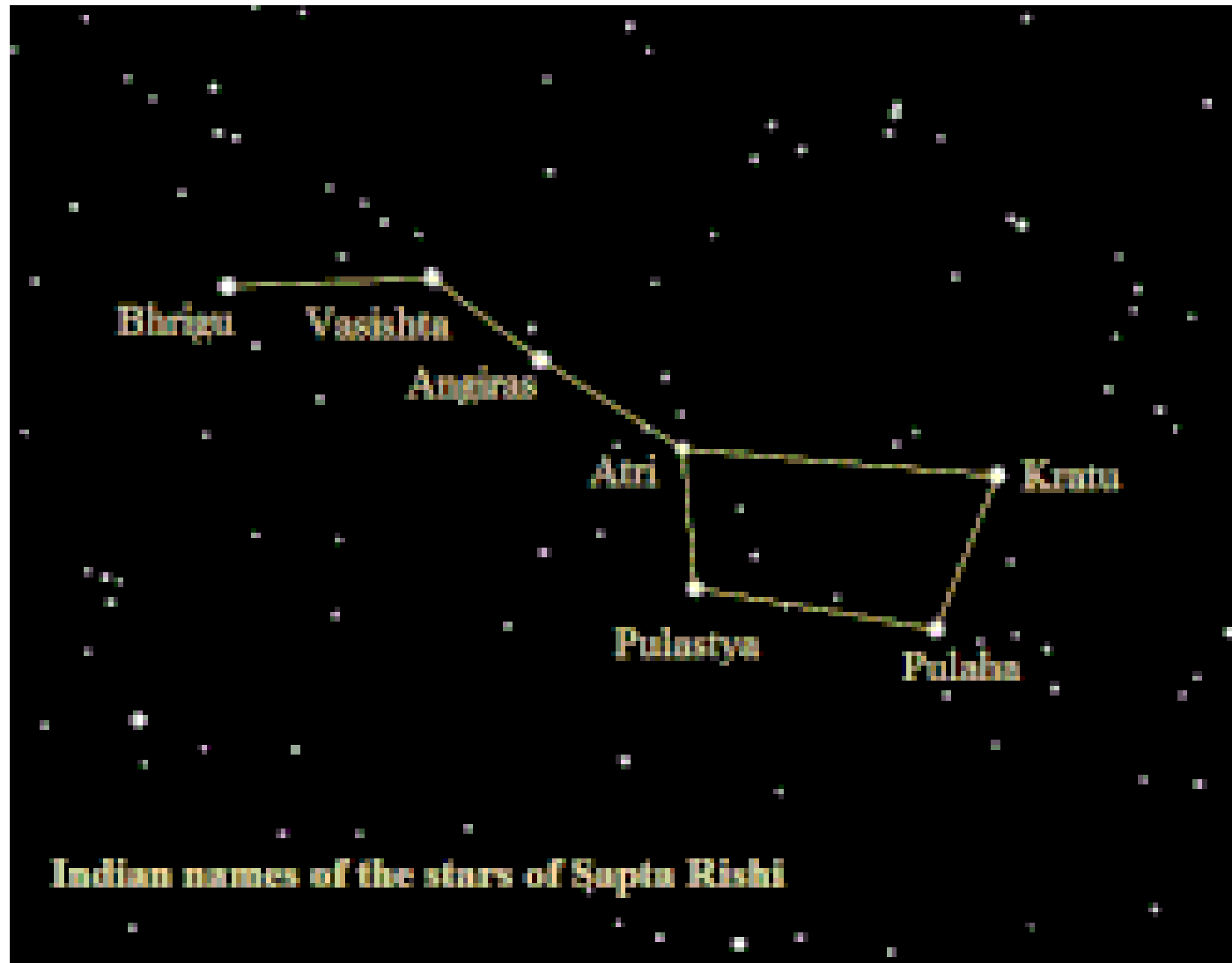
7/8/21

Halley's Comet

- Arguable the most famous comet in the world
- Visible to the naked eye every 76 years roughly (if your lucky it might appear twice in your lifetime)
- Last appeared in 1986 → first time technology allowed for in depth study
- Next appear in mid 2061 (if you are 20 now, you'll be 68)



CONSTELLATIONS



Explain the reason for the declassification/disqualification of Pluto as a planet.

<https://www.youtube.com/watch?v=EvhJgAOky-E>

<https://www.youtube.com/watch?v=GWk45S7i9QQ>

<https://www.youtube.com/watch?v=9dGwkrmnDZ0>



Thank you!