

# SkyQuest

The real SkyQuest test will be in Nearpod, just like this one, but it will not be self-paced, there will be timed stations.

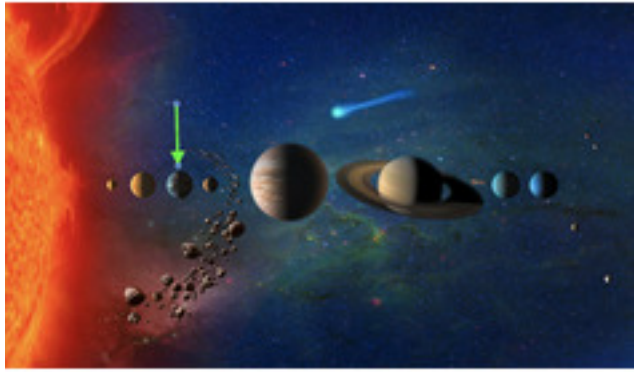
Picture Source: NASA



# Quiz

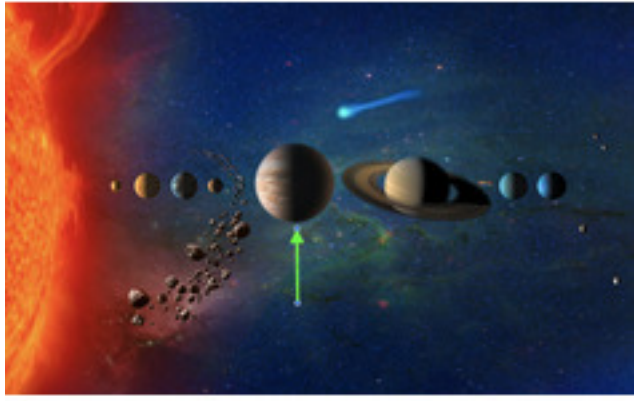
## Quiz Section 1





Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. What planet is the arrow pointing to?

- ☒ Earth
- ☐ Jupiter
- ☐ Mars
- ☐ Venus



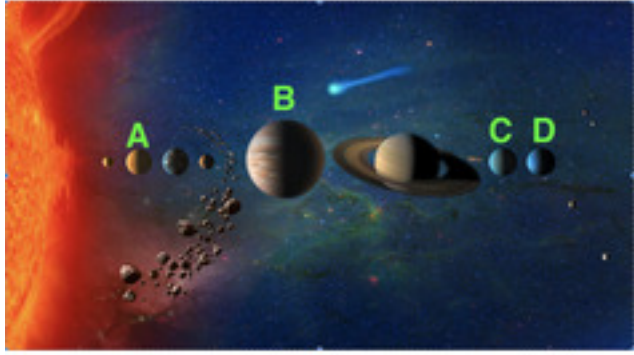
Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. What planet is the arrow pointing to?

- ☐ Earth
- ☒ Jupiter
- ☐ Mars
- ☐ Venus



Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. What object is the arrow pointing to?

- ☒ Asteroid
- ☐ Comet
- ☐ Earth
- ☐ Moon



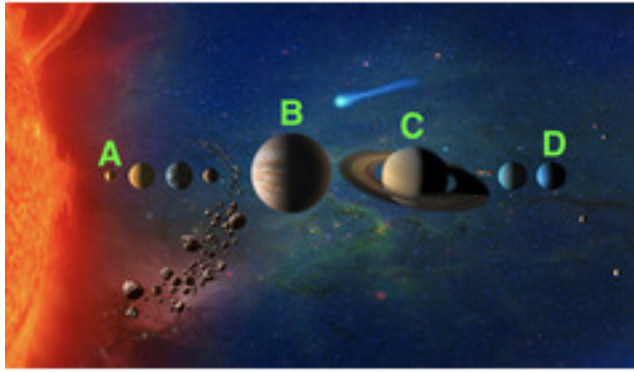
Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. Which letter is above the planet that rotates on its side?

☐ A

☐ B

☒ C

☐ D



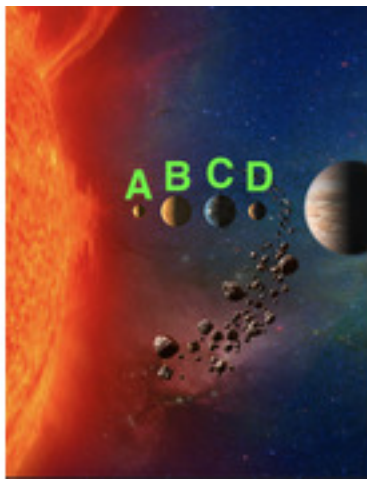
Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. Which letter is above the planet with the most moons?

☐ A

☒ B

☐ C

☐ D



Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. Which letter is the only other planet that NASA has landed a rover on to explore?

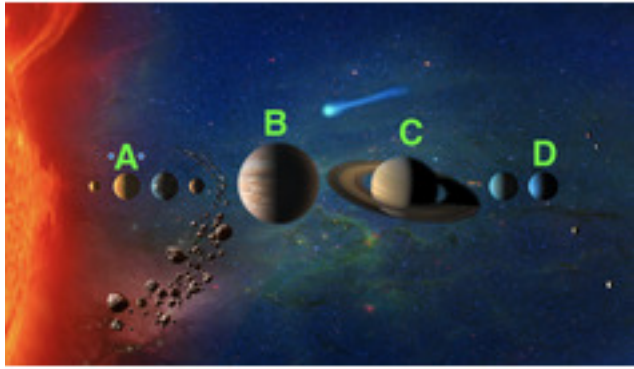
☐ A

☐ B

☐ C

☒ D





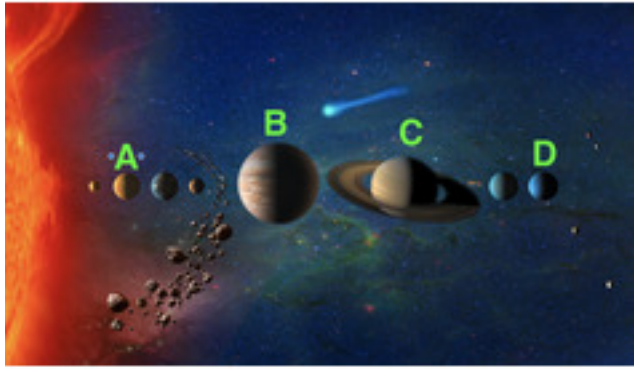
Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. Which letter is over the hottest planet in the solar system?

☒ A

☐ B

☐ C

☐ D



Look at the picture of the Solar System. You can click the image (credit: NASA) to make it bigger. Which letter is over the planet with a storm twice the size of Earth that is always present?

- ☐ A
- ☒ B
- ☐ C
- ☐ D



# Quiz

## Quiz Section 2



Look at the picture (Source: NASA/Bill Dunford), you can click it to make it bigger. This is what you see from earth, what phase of the moon is it?

- ☒ First Quarter
- ☐ Full Moon
- ☐ New Moon
- ☐ Third Quarter





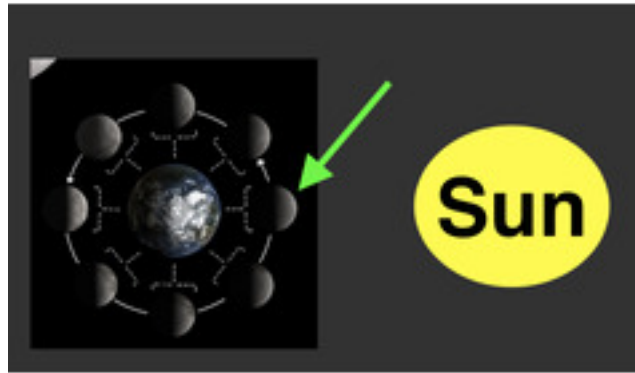
Look at the picture (Source: NASA/Bill Dunford), you can click it to make it bigger. This is what you see from earth, what phase of the moon is it?

- ☐ Waning Crescent
- ☒ Waning Gibbous
- ☐ Waxing Crescent
- ☐ Waxing Gibbous



Look at the picture (Source: NASA/Bill Dunford), you can click it to make it bigger. This is what you see from earth, what phase of the moon is it?

- ☐ Waning Crescent
- ☒ Waning Gibbous
- ☐ Waxing Crescent
- ☐ Waxing Gibbous



Look at the picture (Source: NASA/Bill Dunford), you can click it to make it bigger. This is not to scale, but if you are on Earth, in the center of the picture, what phase of the moon do you see when the moon is where the green arrow is pointing?

- ☐ First Quarter
- ☐ Full Moon
- ☒ New Moon
- ☐ Third Quarter

**Which of these statements is TRUE?**

- ☐ The moon rotates around the Earth
- ☒ **The moon revolves around the Earth**
- ☐ The Earth revolves around the moon
- ☐ The moon does not rotate





# Quiz

## Quiz Section 3

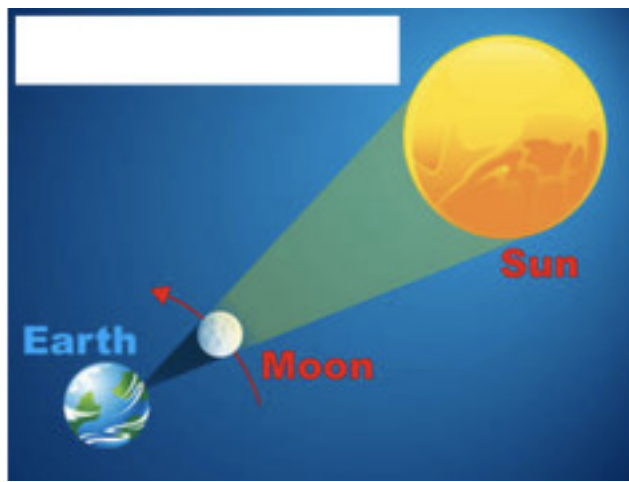
**Which of the following motions causes day & night?**

- ☐ The moon revolving around the Earth
- ☐ The Earth revolving around the Sun
- ☒ **The Earth rotating on its axis**
- ☐ The Sun revolving around the Earth



Look at this picture (Image Credit: Fred Espenak). These are 3 pictures that occurred over time and were placed together. What phenomena is being shown?

- ☐ Full Moon
- ☒ Lunar Eclipse
- ☐ Solar Eclipse
- ☐ Solar flare



Look at this picture (Image Credit: NASA). What phenomena is being shown?

- ☐ Full Moon
- ☐ Lunar Eclipse
- ☒ Solar Eclipse
- ☐ Solar flare





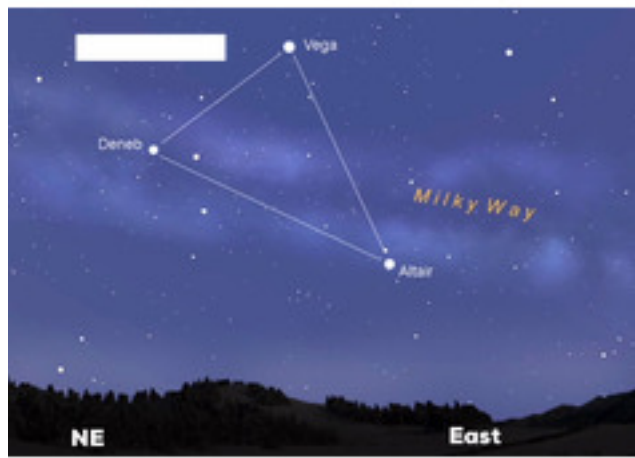
You look up in the sky and see this (Image credit: Noel Carboni for NASA). What is it?

- ☒ Big Dipper
- ☐ Little Dipper
- ☐ Orion's Belt
- ☐ Pegasus Square



You look up in the sky and see this (Image credit: University of Minnesota). What is it?

- ☐ Big Dipper
- ☐ Little Dipper
- ☒ Orion's Belt
- ☐ Great Square of Pegasus



You look up in the sky and see this (Image credit: University Arkansas Little Rock). What is it?

- ☐ Big Dipper
- ☐ Great Square of Pegasus
- ☒ Summer Triangle
- ☐ Winter Triangle

**Which of these statements is TRUE?**

- ☒ **The position of the moon is the biggest cause of tides.**
- ☐ The position of the Sun is the biggest cause of the tides.
- ☐ Earth's rotation causes tides.
- ☐ The Moon's rotation causes tides.