

Links



Solar System



More on Revolution and Rotation



Do you think
you are a
master, let's try
a few
problems.





The Earth's seasons are caused by?

- A) The Earth's tilt**
- B) The Earth's Rotation**
- C) Proximity to the Sun**
- D) The Earth's Revolution**

Click Best Answer

H.J. SIMPSON

It takes the Earth how long to make one Revolution?

Click Best Answer

- A) One day
- B) One Week
- C) One Month
- D) One Year



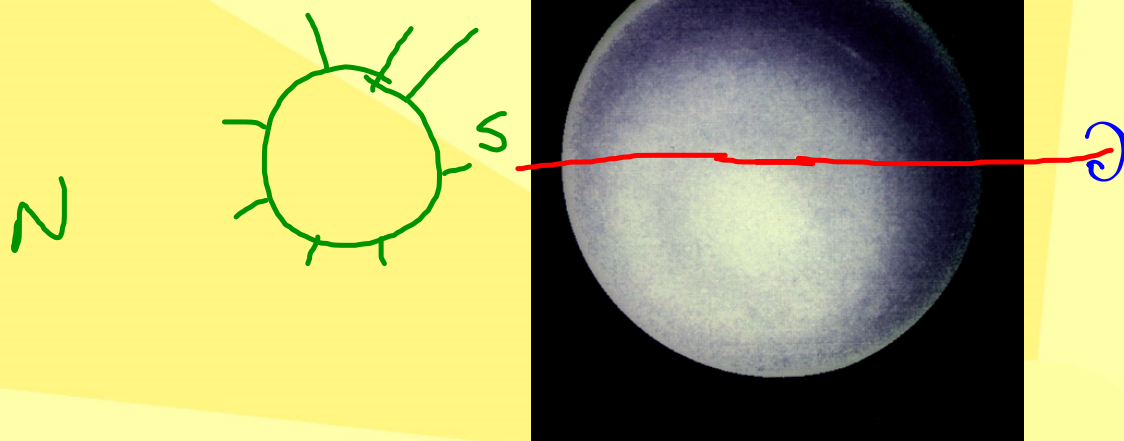


If it's winter in New Brunswick, then it would be Summer in which continent?

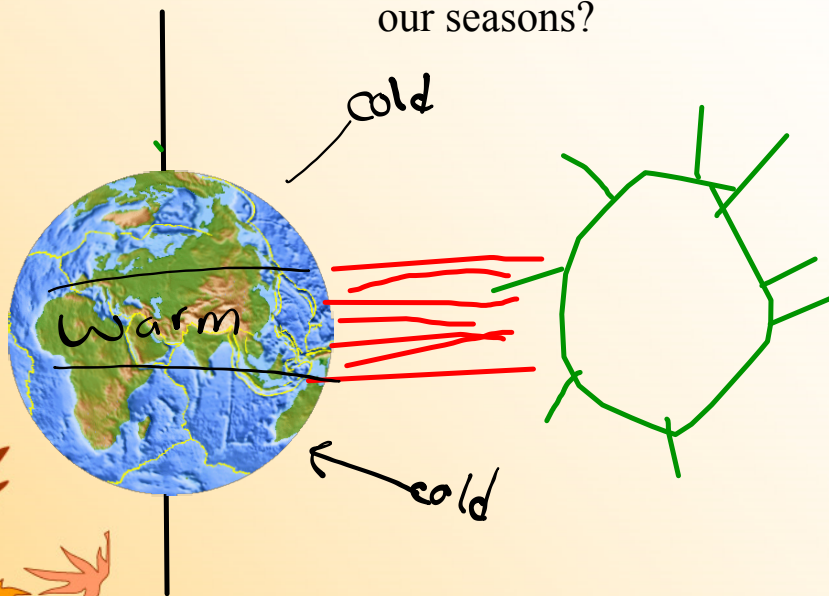
- 1) North America**
- 2) Europe**
- 3) Australia**
- 4) Whoville**

[Click Best Answer](#)

Uranus, as you see here has a horizontal tilt. What effect would this have on its seasons?



What if the Earth was not tilted, but still had a vertical axis. How would this effect our seasons?



Press for a Student Response

Assignment for Today

Read section 13.10 on pages 418-419.

Questions from Understanding concepts 1, 2(omit 2c), 4,5.

Complete the challenge - which planet would be suitable for possible colonization? Give reasons for your choice. How will the planet conditions need to be considered in the design of your space colony? What would need to be done to make life sustainable on this planet?

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1) a) Scientist believe that Mercury has no atmosphere.

b) Mercury being the closest planet to the sun may not contain an atmosphere because of this reason. The sun's heat would destroy and gases that existed.

2) a) Venus and Mars seems to be two planets that share some similarities with Earth. If you compare size Venus and Earth are approximately the same size. If you look at Mars its rotational period is 24 hr 39 min and Earth's is 24 hrs. All three planets have nitrogen in it atmosphere.

b) The planets that are the least similar to Earth are Jupiter, Saturn, Uranus and Neptune. Each of these four planets are extremely large compared to earth, their orbital periods take years and their temperatures are extremely cold.

c) Pluto is no longer considered a planet and is now known as a dwarf planet

4) The atmosphere on the four larger planets would not support life because living organism need oxygen and nitrogen to survive.

Today, we took time to investigate two movements of the Earth, its revolution and rotation. With this knowledge, we can understand why we have day and night, and why we have seasons.



Attachments

student response no tilt.avi

seasons.avi

Uranus student response(4).avi