



## **Expected answers**

### **Pictures (activity 3)**

#### ***geocentric system***

Link to the picture:

[www.thedailybeast.com/the-principle-geocentrism-is-what-real-biblical-literalism-looks-like](http://www.thedailybeast.com/the-principle-geocentrism-is-what-real-biblical-literalism-looks-like)

#### ***geocentric system***

Link to the picture (the first one on the page):

[https://www.huffingtonpost.es/2017/06/13/jupiter-es-el-planeta-mas-antiguo-del-sistema-solar\\_a\\_22140083/](https://www.huffingtonpost.es/2017/06/13/jupiter-es-el-planeta-mas-antiguo-del-sistema-solar_a_22140083/)

#### ***heliocentric system***

Link to the picture (the second one on the page):

<https://creation.com/refuting-geocentrism-response>



## ***heliocentric system***

Link to the picture:

<https://cs.wikipedia.org/wiki/Heliocentrism#/media/Soubor:Heliocentric.jpg>

### **Discussion (activity 4)**

**Is there any logic behind the geocentric model?**

*Today we know that the geocentric model is not right. But it has its logic. Many centuries ago people thought that the Sun orbits the Earth when they saw it rising every morning and setting it up every evening. This is the simplest explanation.*

**Had people believed in the geocentric system until the time of the scientific revolution?**

*People had believed in the geocentric model for centuries. The first who expressed this hypothesis was the Greek philosopher Aristotle in the 4th century BC. The geocentric model was taken over by the famous geographer Claudius Ptolemy. Thanks to it, the geocentric system is also called the Ptolemaic system.*

**Why are we talking about the geocentric and the heliocentric system now?**

*Because the scientific revolution has begun by significant discoveries in astronomy - especially when exploring the Solar system.*

More info about the topic: <https://en.wikipedia.org/wiki/Heliocentrism>,  
[https://en.wikipedia.org/wiki/Geocentric\\_model](https://en.wikipedia.org/wiki/Geocentric_model)



### True or false statements (activity 6)

1. Copernicus was born in the 18th century. *F*
2. First name of Copernicus was Mathias. *F*
3. Copernicus discovered that the Earth is in the middle of the Solar system. *F*
4. Galileo Galilei was born in Pisa in Italy. *T*
5. Galileo improved the telescope. *T*
6. The Catholic Church agreed with Copernicus and Galileo. *F*
7. Galileo was born in the 15th century. *F*
8. Galileo and Copernicus can be named as fathers of the scientific revolution. *T*
9. Galileo was arrested in the prison. *F*
10. Galileo and Copernicus were astronomers. *T*

### Game (activity 8)

#### Why Uranus and Neptune are not involved?

*They were not discovered in 1600 AD yet. They were discovered later.*

#### Are planets circulating in circle way?

*No, on elliptical ways.*

#### Is Moon circulating around the Earth or around the Sun?

*Moon orbits around the Earth and with the Earth around the Sun.*



## Homework (activity 9)

*This situation could not have happened because Copernicus and Galileo did not live at the same time.*