Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period # \_\_\_

VIDEO - The COSMOS part 1 – Standing Up in the Milky Way

1. Who is our nearest neighbor in the Cosmos?
	1. The planet Mars
	2. The Moon
	3. The Sun
	4. Satellites
2. The Asteroid Belt circles the Sun between the orbits of Mars and Jupiter.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The planets Uranus and Neptune were actually discovered in…
	1. 1831
	2. 1907
	3. By Galileo
	4. After the invention of the telescope
4. The Ort Cloud has been described as the outer edge or our solar system.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. In our galaxy, there are millions of rogue planets or planets without a sun.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. If we look up at the stars in our Milky Way, we may see stars, planets and other solar systems. That means that the earth’s solar system is just a few light years away from the center of our galaxy.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. In our cosmic “local Group”. The neighboring galaxy is called…
	1. The Perseid Galaxy
	2. The Horsehead Nebula
	3. The Spiral in Andromeda
	4. The Polaris Supercluster
8. The Virgo Supercluster is considered to be the majority of the cosmos.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Our observable universe is all that there is. All of the planets, suns and galaxies that we see make up all of the cosmos.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. In 1599, the earth was considered to be at the center of our solar system. Everything revolved around the earth. The man who determined that we were not at the center of our solar system was:
	1. Galileo
	2. Copernicus
	3. Luther
	4. Bruno
11. Giordano Bruno was one of the first religious figures to think that the universe was infinite.
	1. True
	2. False \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. The man who made the discovery that Giordano Bruno had been right all along was:
	1. Galileo
	2. Copernicus
	3. Luther
	4. Sagan
13. The Big Bang is…
	1. An erroneous theory of the beginning of the cosmos
	2. When planets exploded
	3. The furthest point that we can see in the past
	4. The loudest sound heard on earth
14. The Milky Way Galaxy was formed about 11 billion years ago.
	1. True
	2. False
15. Everything that we are was “cooked” in the fiery hearts of long vanished stars. We are made of this stellar stuff.
	1. True
	2. False
16. Our Sun was born
	1. 13 million years ago
	2. 4.5 billion years ago
	3. 10 million billion years ago
	4. Just 6 million years ago
17. Earth’s Moon was formed by gathered fragments and dust from surrounding space.
	1. True
	2. False
18. Based on our Cosmic Calendar, Earth’s first formations of life were started in the first week of November.
	1. True
	2. False
19. The Human Existence on our planets developed on the last day of our Cosmic Calendar.
	1. True
	2. False
20. At 11:49 and fifteen seconds, all of recorded history started in our Cosmic Calendar year.
	1. True
	2. False

**Extra Credit – 1 point per fact**

Below the correct month on the Cosmos Calendar Timeline, name the event and fill in the dates of the events that formed our part of the Cosmos. For Example - when the Big Bang started, when our galaxy first formed, the week where first life started on our planet, where we are today, etc..

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Jan | Feb | March | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |