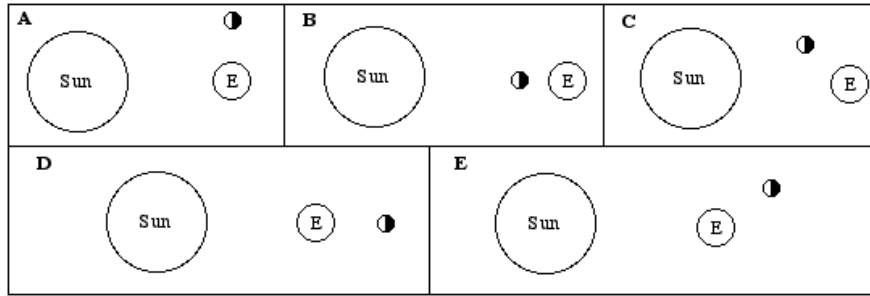


## Earth Science Final Exam 2018 Practice Questions



- Which diagram(s) show a solar eclipse? \_\_\_\_\_
- Which diagram(s) show a quarter moon phase? \_\_\_\_\_
- Which diagram(s) show neap tide? \_\_\_\_\_
- Which diagram(s) show spring tide? \_\_\_\_\_
- Which diagram(s) show a gibbous moon phase? \_\_\_\_\_
- Which diagram(s) show a lunar eclipse? \_\_\_\_\_
- Which diagram(s) show a crescent moon phase? \_\_\_\_\_
- Which diagram(s) show a full moon phase? \_\_\_\_\_
- Which diagram(s) show a new moon? \_\_\_\_\_

- Any object that orbits another object would be called \_\_\_\_\_
- The brightest planet, as seen from Earth (not including Earth!). \_\_\_\_\_
- The next planet most likely to be colonized by humans. \_\_\_\_\_
- What do refractor telescopes use to gather and focus light? \_\_\_\_\_
- A spectrometer is used to determine what about stars? \_\_\_\_\_
- Who determined that galaxies are far away and the universe is expanding? \_\_\_\_\_
- If a Cepheid variable star has a short cycle, it is \_\_\_\_\_
- The largest object in the solar system. \_\_\_\_\_
- Has evidence of liquid water in the distant past; none is there today. \_\_\_\_\_
- Has the shortest year of any planet. \_\_\_\_\_
- Two Cepheid variables appear to have the same brightness. Which one is further? \_\_\_\_\_
- What are ebb and flood tides? \_\_\_\_\_
- Theory that the moon formed elsewhere and was caught by Earth's gravity \_\_\_\_\_
- Lunar "soil" made by constant meteorite bombardment \_\_\_\_\_
- The farthest objects in the universe are \_\_\_\_\_

Groups of millions or billions of stars are called \_\_\_\_\_

What theory would be supported by an increasing number of blueshifted galaxies in the distant future? \_\_\_\_\_

Theory that Earth and the moon formed together in a disk orbiting the sun \_\_\_\_\_

Dark areas on the moon's surface \_\_\_\_\_

Theory that the moon split off from a fast-spinning, molten Earth \_\_\_\_\_

Sunlight reflected off the Earth, then the moon, and back to Earth \_\_\_\_\_

The shape of Earth's orbit is \_\_\_\_\_

Compared to Earth, the moon's surface gravity is: \_\_\_\_\_

What time of day are shadows the longest? \_\_\_\_\_

Seasons are caused by \_\_\_\_\_

What type of eclipse would be seen on the part of Earth that was in the moon's umbra? \_\_\_\_\_

The hottest planet. \_\_\_\_\_

Name the planet that has the largest moon, compared to its own size, of any planet. \_\_\_\_\_

Lunar surface feature caused by meteorite impact \_\_\_\_\_

The farthest point from Earth in the moon's orbit \_\_\_\_\_

Uranus' twin. \_\_\_\_\_

Planet with a thick, carbon dioxide atmosphere. \_\_\_\_\_

Probably found in an orbit around the sun, between Mars and Jupiter. \_\_\_\_\_

The first Kuiper Belt Object discovered (in 1930). \_\_\_\_\_

Has the Great Red Spot. \_\_\_\_\_

Shows the relationship of a star's brightness to temperature. \_\_\_\_\_

How scientists think the solar system began. \_\_\_\_\_

This tells us that a star or galaxy is moving toward us. \_\_\_\_\_

Theory that says the universe may collapse. \_\_\_\_\_

Planet that looks most like Earth's moon. \_\_\_\_\_

The largest planet. \_\_\_\_\_

Planet with water in the solid, liquid, and gaseous states. \_\_\_\_\_

Has the largest volcano in the solar system, Olympus Mons. \_\_\_\_\_

What kind of tides are associated with the full and new moon phases? \_\_\_\_\_

Sun and moon pull together on high tide during \_\_\_\_\_. \_\_\_\_\_

Inner planet whose surface is in constant motion. \_\_\_\_\_

Planet that has the Galilean moons. \_\_\_\_\_

An observation that tells us that a star or galaxy is moving away. \_\_\_\_\_

90% of all stars would plot in this region of an H-R diagram. \_\_\_\_\_

How we know when a sound or light source is moving. \_\_\_\_\_

Which type of orbit would work best to map an entire planet? \_\_\_\_\_

Gamma rays, ultraviolet, radio, and x-rays are most like \_\_\_\_\_

How many stars are in the solar system? \_\_\_\_\_

The Earth \_\_\_ around the sun. \_\_\_\_\_

Sun pulls on low tide during \_\_\_\_\_. \_\_\_\_\_

When is there the smallest difference between high and low tides? \_\_\_\_\_

A measure of a star's true brightness, compared to the sun. \_\_\_\_\_

Object of known brightness, used to show distance. \_\_\_\_\_

How scientists think the universe began. \_\_\_\_\_

Has the greatest temperature range of any planet. \_\_\_\_\_

Most likely located in a shell around the outer solar system called the Oort Cloud. \_\_\_\_\_

Most responsible for annual meteor showers. \_\_\_\_\_

The planet with the best rings. \_\_\_\_\_

How bright a star looks when viewed from Earth. \_\_\_\_\_

The only way to measure the distance to stars. \_\_\_\_\_

How bright a star really is, the brightest stars have low numbers. \_\_\_\_\_

The most volcanic object known. \_\_\_\_\_

A large moon of Saturn with a thick nitrogen atmosphere. \_\_\_\_\_

The brightest main sequence stars are \_\_\_\_\_

Where do the largest ordinary stars plot on the H-R diagram? \_\_\_\_\_

The main reason that a star's apparent magnitude is usually different from its absolute magnitude is \_\_\_\_\_

The Milky Way galaxy is most likely a \_\_\_ galaxy \_\_\_\_\_

Two main sequence stars, red and blue, appear to have the same brightness. Which one is further away? \_\_\_\_\_

It is currently thought that the universe is doing what? \_\_\_\_\_

It is currently thought that the universe will end in what way? \_\_\_\_\_

Parallax is limited mostly by \_\_\_\_\_

The diameter of a telescope's objective mirror or lens is called its \_\_\_\_\_

Which EMR has the longest wavelength? \_\_\_\_\_

Which kind of telescope can be used during the day or night and during bad weather? \_\_\_\_\_

It is currently believed that the universe is doing what? \_\_\_\_\_

What is the order of methods astronomers would use to determine distances, from the shortest distances between stars to the farthest distances at the edge of the known universe? \_\_\_\_\_