

Did you know?

Did you know that everything is constantly moving?

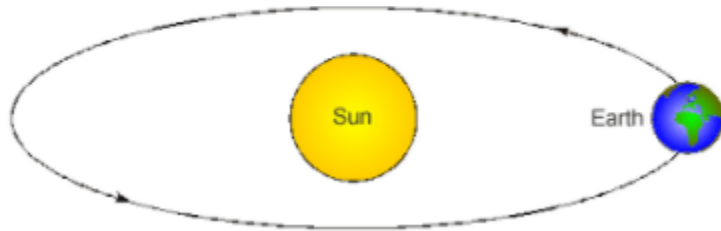
Did you know?

Did you know that the Moon moves around the Earth? We call this movement a revolution or an orbit.



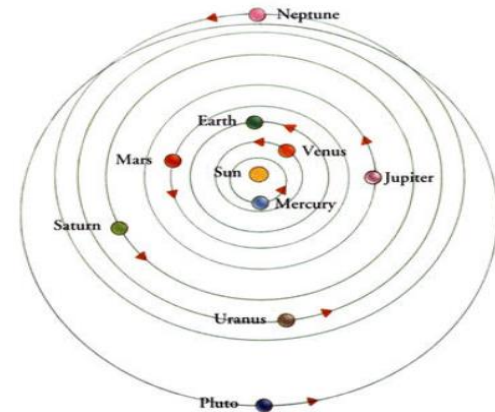
Did you know?

Did you know that the Earth moves around the Sun? We call this movement a revolution or an orbit.



Did you know?

Did you know that the Sun's gravity holds everything in our solar system in orbit around it? Remember that orbit means to move around an object.



Did you know?

Did you know that without the Sun's strong gravity the Earth and all the other planets would spin off into space?

Did you know?

Did you know that Earth also spins on its axis? An axis is an imaginary line that is in the center of the Earth. We call this movement a rotation.



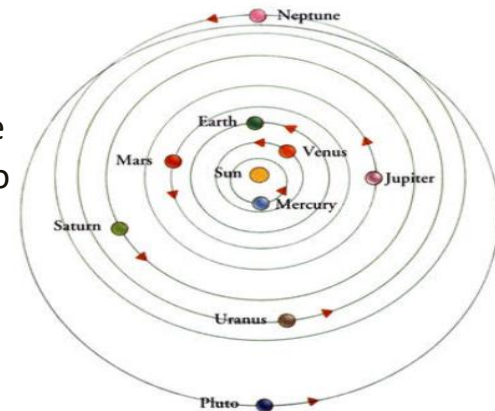
Did you know?

Did you know that Moon also spins on its axis? An axis is an imaginary line that is in the center of the Moon. We call this movement a rotation.

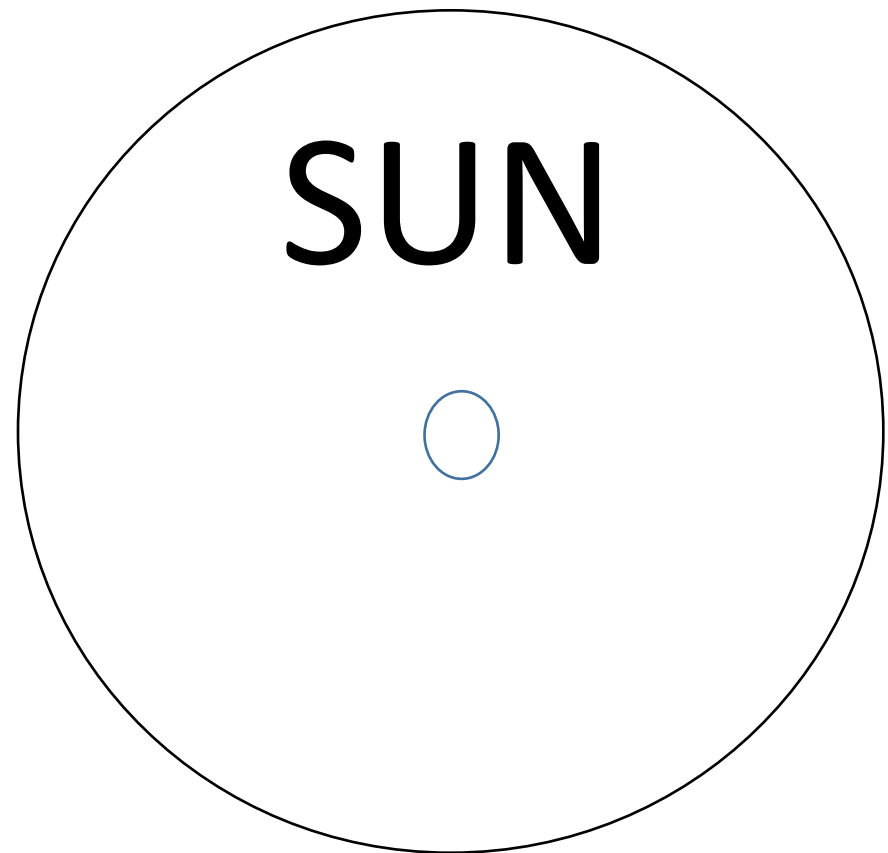
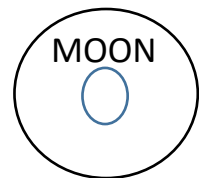
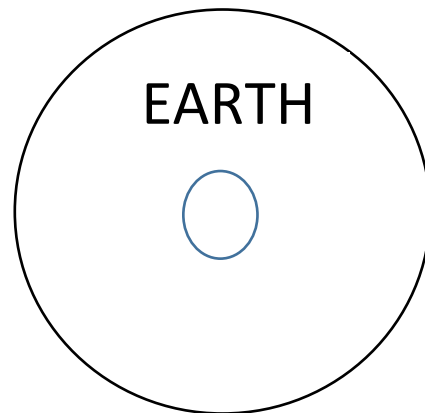


Did you know?

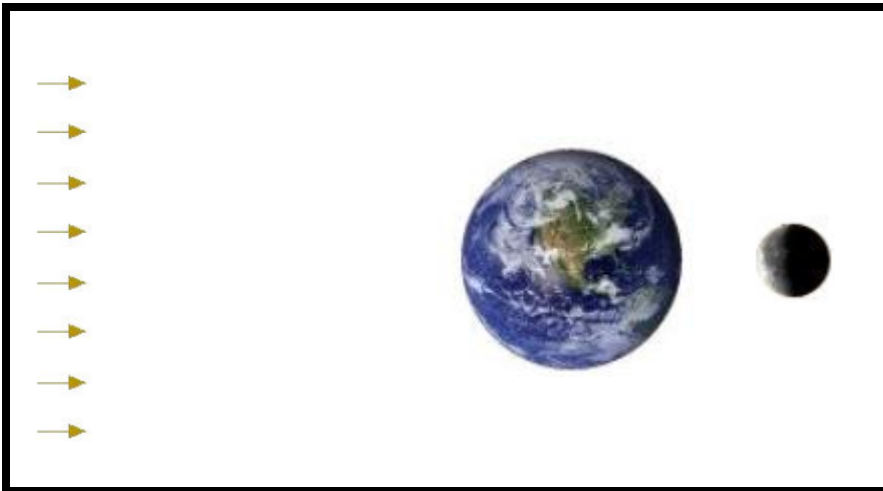
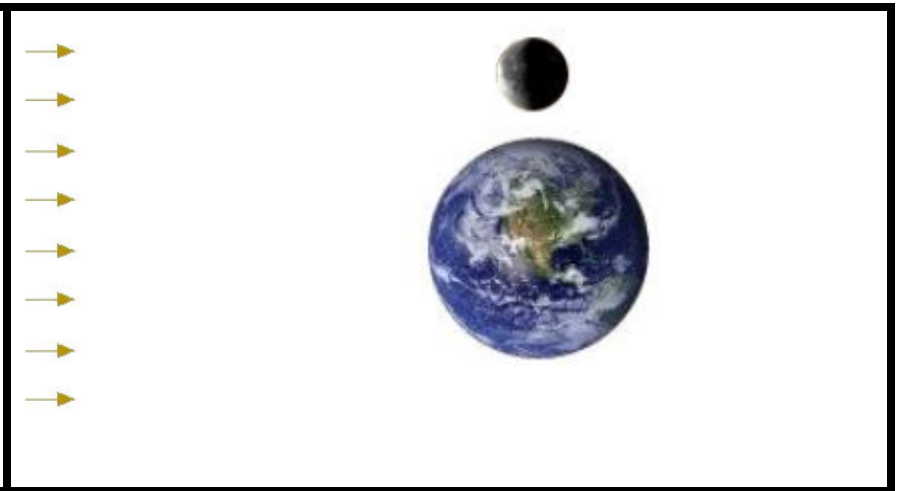
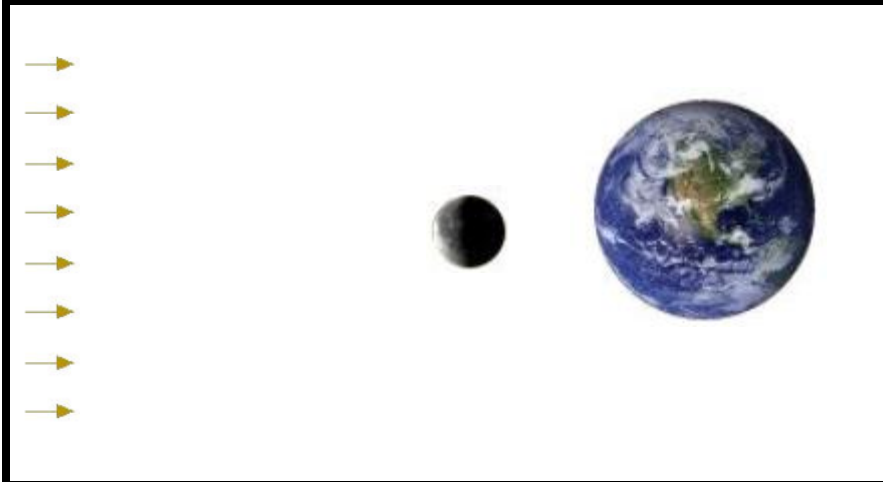
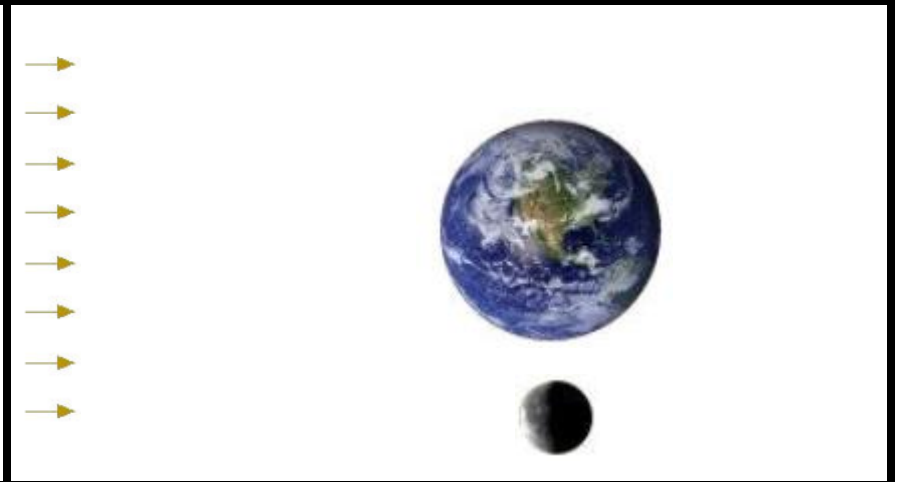
Did you know that all the planets are moving around the Sun? Remember to move around an object is called a revolution or to orbit.

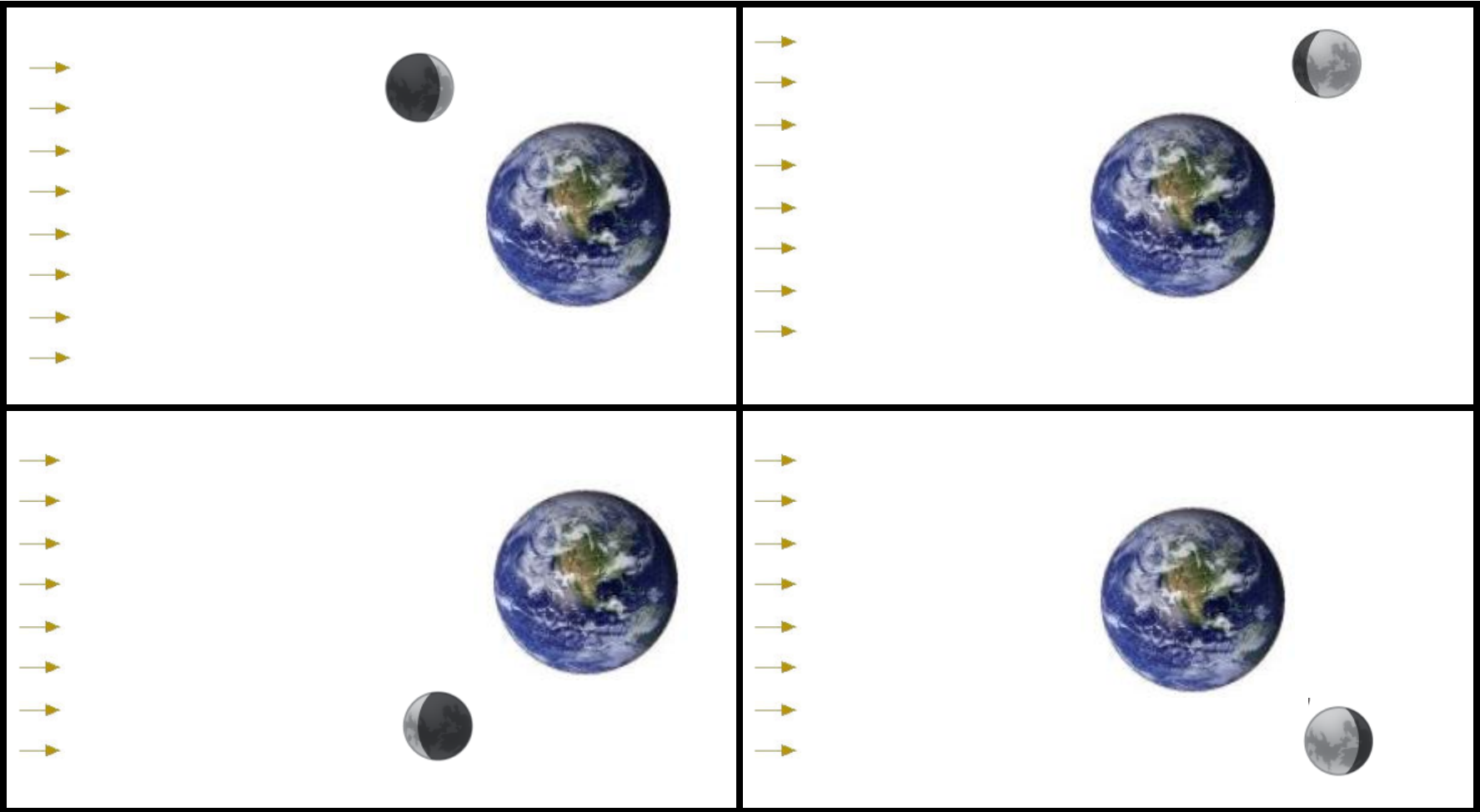


Construct models that demonstrate the relationship of the Sun, Earth, and Moon including orbits and positions.



Put the pictures in order to show the movement of the moon around the Earth. See if you can put the pictures in order to show the movement of the moon around the Earth.



What do you notice about the movements of the Moon around the Earth?

What words do we use to describe these movements?

What do you notice about the movements of the Earth around the Sun?

What words do we use to describe these movements?

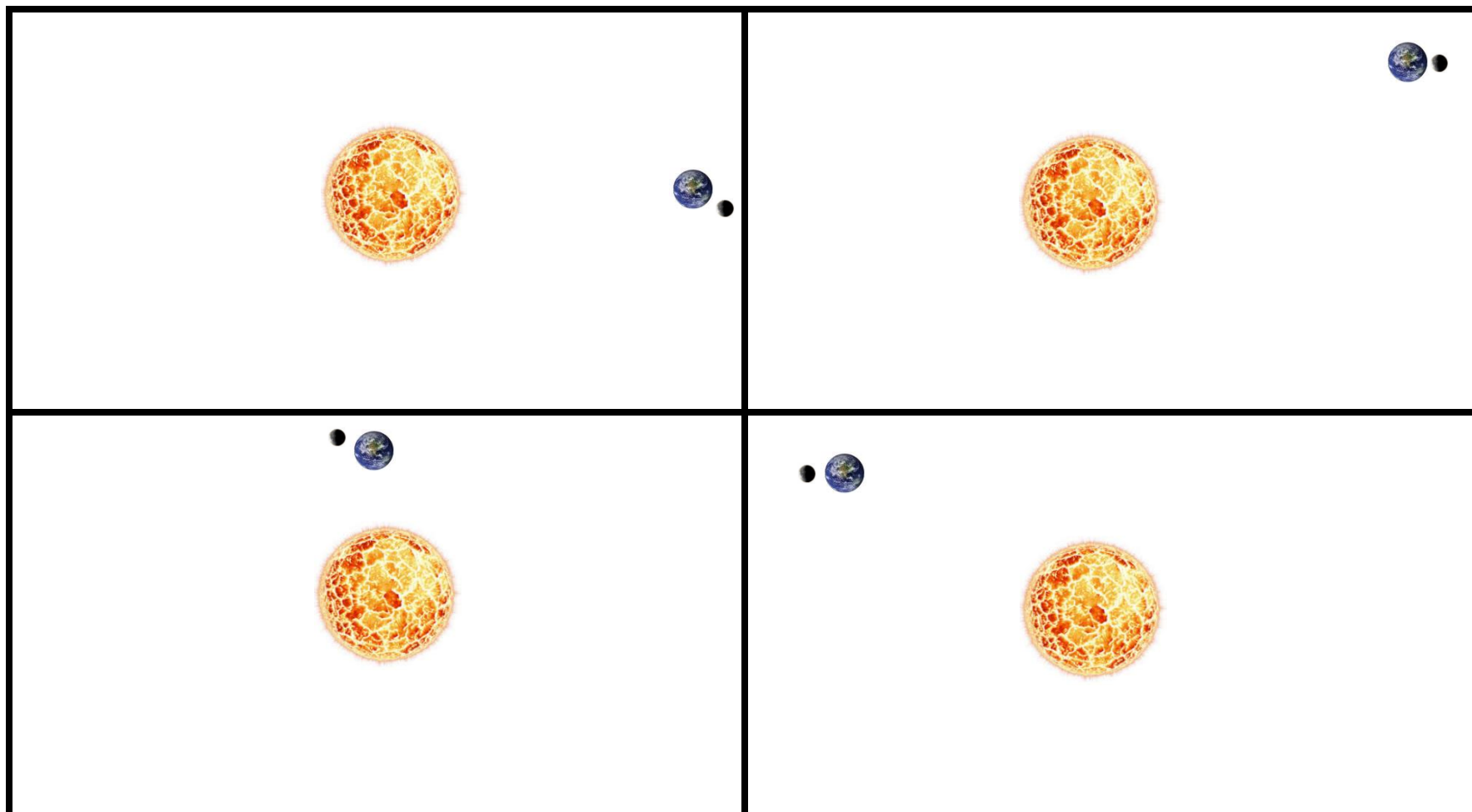
What do you notice about the movements of the Moon around the Sun?

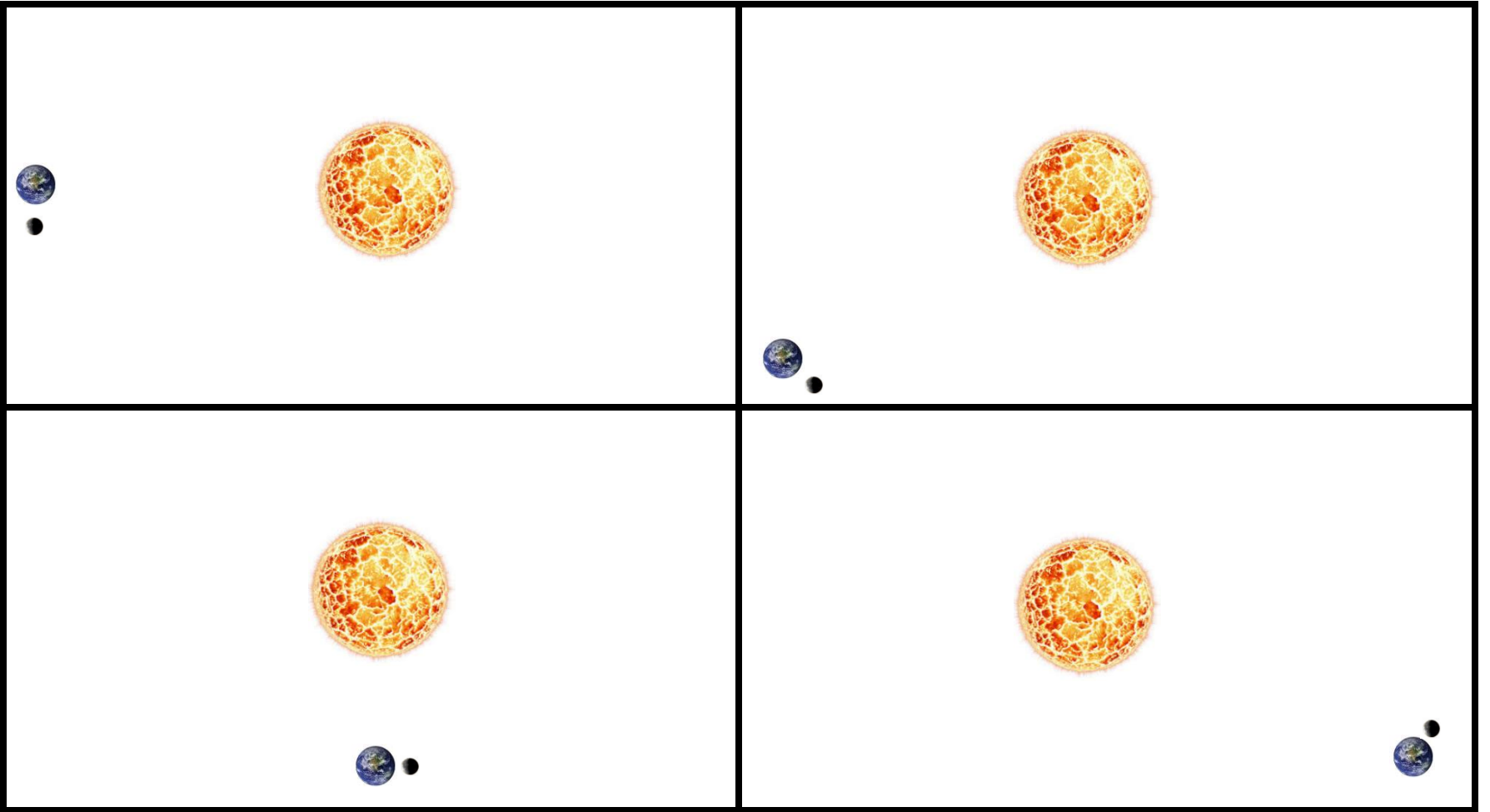
What words do we use to describe these movements?

What do you notice about the movements of the Earth and the Moon around the Sun?

What words do we use to describe these movements?

Put the pictures in order to show the movement of the Earth and the Moon around the Sun. See if you can put the pictures in order to show the movement of the Earth and the Moon around the Sun.





A mnemonic is using pattern of letters, ideas, or associations to help us remember something. Look at the mnemonic below for the order of the planets.

My
Very
Educated
Mom
Just
Served
Us
Nachos

Now it is your turn. Come up with a mnemonic to help you remember the order of the planets.

M
V
E
M
J
S
U
N

Now it is your turn. Come up with a mnemonic to help you remember the order of the planets.

M
V
E
M
J
S
U
N

Steps To Create Solar System Model

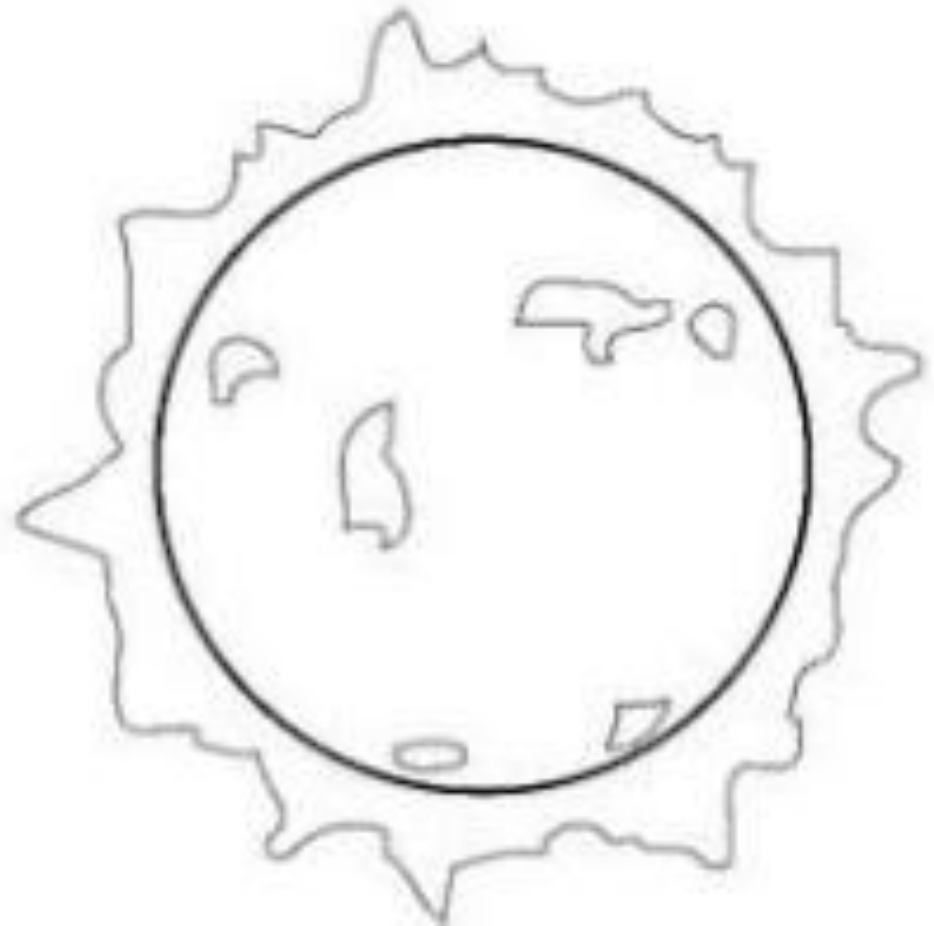
Step 1. Cut out and Color the Planets and the Sun. Be sure to color on the back and the front.

Step 2. Label the objects on the backside.

Step 3. Using a pencil punch a hole in the center of each picture.

Step 4. Tie the string to the end of a paperclip then put the string through the Sun first.

Step 5. Put the string through the holes of each planet beginning with Mercury and ending with the last planet.



Planet Cutouts



Mercury



Venus



Earth



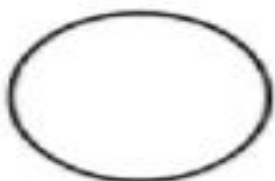
Mars



Jupiter



Saturn



Uranus



Neptune

Analyze the Model.

Is the model an accurate representation of our Solar System? Why or why not?

What would improve our model's accuracy?

What are the most accurate aspects of our model?
