Science Homework **Mrs. Hernandez** **January 21-24, 2020**

Sections: 4A,B,C,D,E

Date	Homework	Parent Signature
Monday	➔ No School	
Tuesday	➔ Complete Rotation and Revolution Guided Notes	
Wednesday	➔ Complete Sun, Earth, and Moon Day 1	
Thursday	➔ Complete Sun, Earth, and Moon Day 2	
Friday	➔ Complete Sun, Earth, and Moon Day 3	

Reminders

- **Parents**: Don't forget to initial your child's HW Cover Sheet every night.
- **HW due Monday, January 27th**

Science Vocabulary

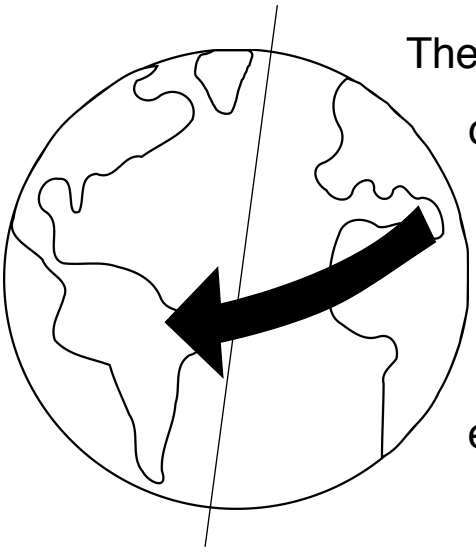
Earth's rotation: from east to west on it's axis, creates the change from night to day

Earth's revolution: causes visual variations of parts of the sky (orbit around the sun)

Satellite: any object that orbits or revolves around another object.

Guided Notes on Rotation and Revolution

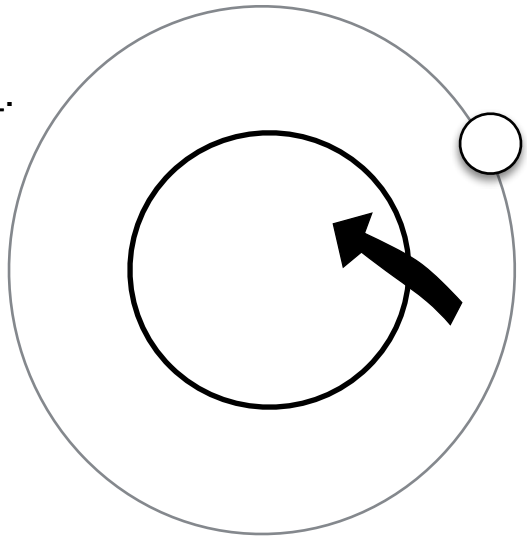
ROTATION



The Earth's movement through _____affects life on Earth. We experience _____ because of this movement on the Earth's _____ known as _____. It takes the Earth _____to rotate one time in which we experience _____. The Earth's axis is an invisible line that_____ the Earth through both the_____.

REVOLUTION

The Earth moves along a path around the _____. This path is known as an _____. One complete trip on this path around the sun is known as a _____. It takes the Earth_____ to complete it's journey around the Sun. Every _____, we take the extra 1/4 days from the previous years, combine them and add an extra day to the calendar called _____.

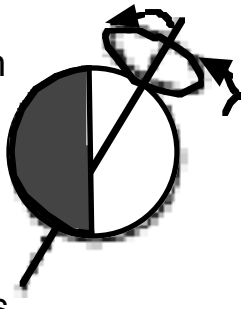


space day and night revolution rotation intersects axis orbit North and South poles Sun 4 years 24 hours day and night 365 1/4 days

Unit on the Sun, Earth and Moon

Day 1

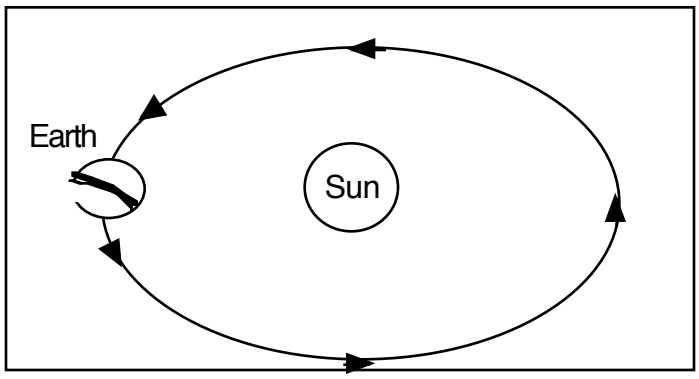
1. Rotating means to
   a. move in a circular path around another object
   b. move up and down
   c. spin around and around
   d. moving in a straight line
2. Revolving means to
   a. move in a circular path around another object
   b. move up and down
   c. spin around and around
   d. moving in a straight line
3. Another name for revolving is
   a. rotating
   b. orbiting
   c. moving in a straight line
   d. gyrating
4. The picture on the right shows Earth
   a. rotating
   b. revolving
   c. orbiting
   d. stopping



5. The earth rotating on its axis causes
   a. seasons b. years c. days and nights d. sun spots

6. How long does it take for the Earth to makeone rotationon its axis?
   a. one year b. one day c. one month d. one week

7. The drawing below shows
   a. The Earth revolving around the Sun.
   b. The moon rotating.
   c. The Sun rotating.
   d. The Sun revolving around the Earth.

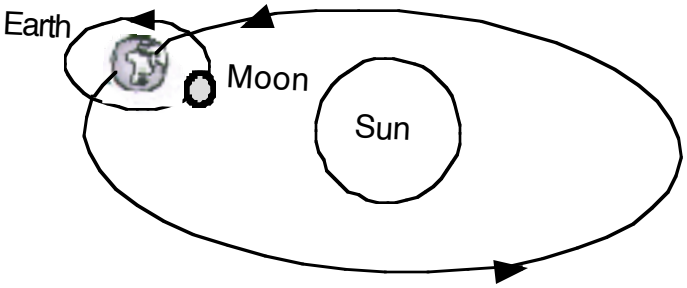


8. How long does it take the Earth to orbit the Sun one complete time.

   a. one year
   b. about 365 days
   c. one day
   d. both a and b

Day 2

1. Write **T** or **F** beside each of the following statements.



This picture shows

____a. The Earth orbiting the Moon.

____b. Earth revolving around the Sun

____c. The Sun revolving around the Earth

____d. The Moon orbiting the Earth.

____e. The Moon revolving around the Earth.

____f. The Earth orbiting the Sun.

2. This picture shows Earth rotating. When the Earth makes one complete rotation on its axis, how much time has passed?

____a. one year

____b. one day

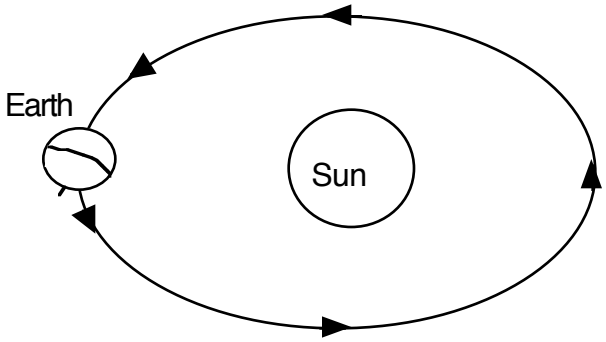
c. one month

d. 10 days

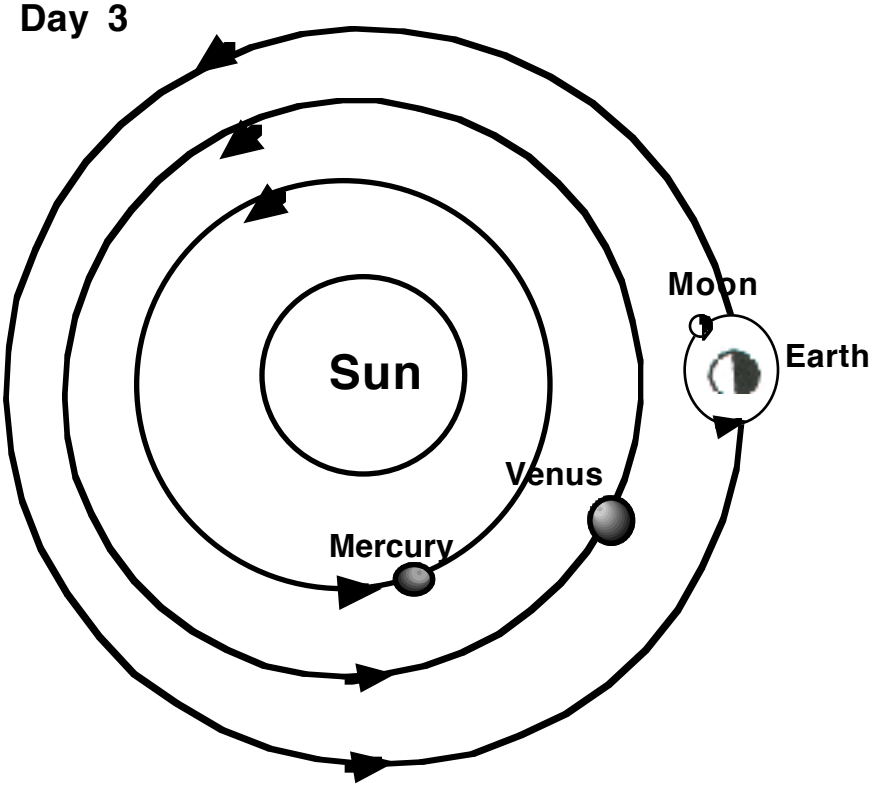
3. Day and night is caused by
   a. the Earth revolving around the Sun
   b. the Earth rotating on its axis
   c. the moon revolving around the Earth
   d, the Sun becoming hotter and cooler

4. What is the imaginary line called that is shown passing from the north and south pole through the center of the Earth?
   a. orbit b. revolution c. rotation d. axis

5. What is the invisible path the Earth takes around the Sun called?
   a. an equator
   b. an axis
   c. a rotation
   d. an orbit



Day 3



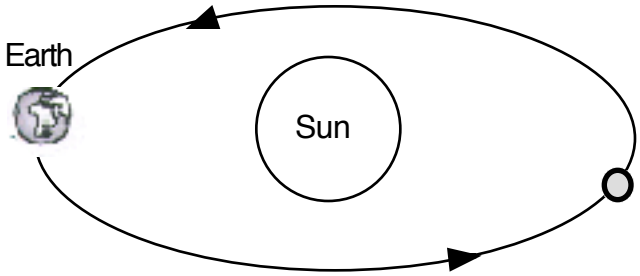
1. This drawing shows:

a. Mercury, Venus and Earth orbiting the Sun.
b. The Sun orbiting Mercury, Venus and Earth.
c. The Moon orbiting the Earth.
d. Both a and b.
e. Both a and c.
f. Both b and c.

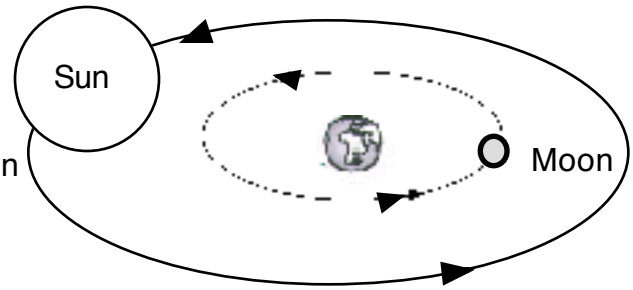
2. What force keeps these objects in their orbits?
   a. friction b. electricity c. magnetism d. gravity

3. Which of the pictures below show the correct relationship between the Earth, Moon and Sun in space?

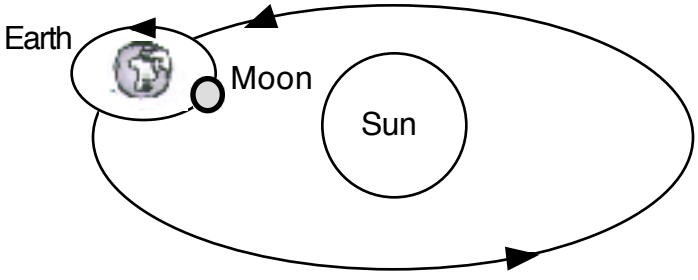
a.



c.



b.



d.