

EXIT TICKET

_____ 1. The spinning of the Earth on its axis is called

- A. Rotation
- B. Revolution

_____ 2. The movement of the Earth around the sun is called

- A. Rotation
- B. Revolution

_____ 3. A year is the amount of time it takes a planet to make one _____ around the sun.

- A. Rotation
- B. Revolution

_____ 4. What process causes day & night?

- A. Rotation
- B. Revolution

_____ 5. How long does it take for Earth to make one revolution?

- A. 24 hours
- B. 365 $\frac{1}{4}$ days

_____ 6. How long does it take for Earth to make one complete rotation?

- A. 24 hours
- B. 365 $\frac{1}{4}$ days

NAME: _____

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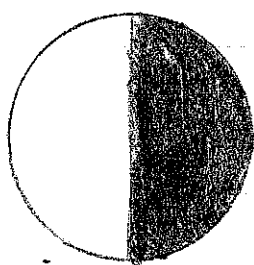
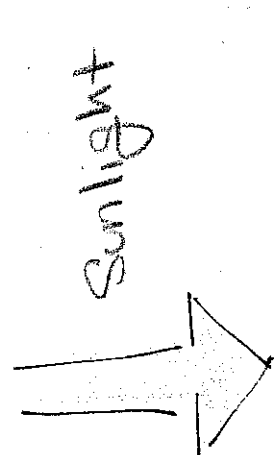
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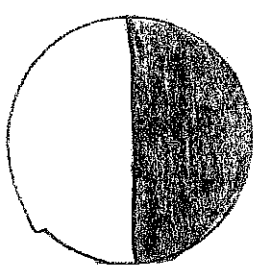
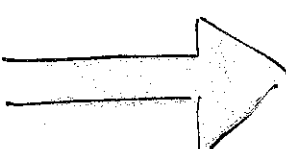
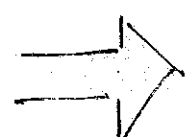
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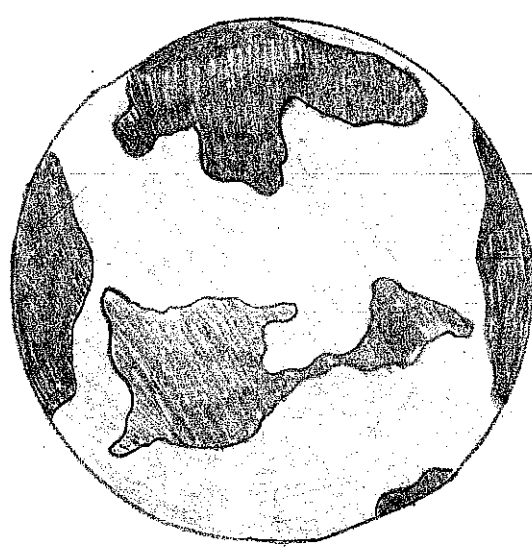
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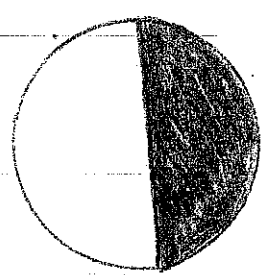
New Moon



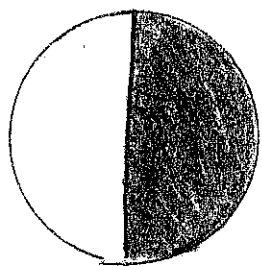
Third Quarter Moon



Earth

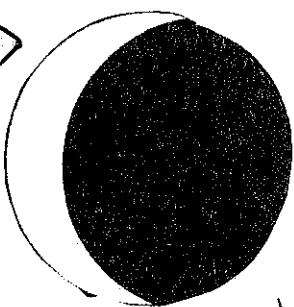
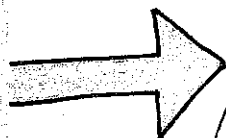


Full Moon

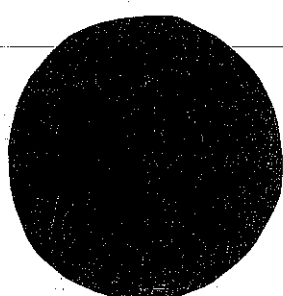
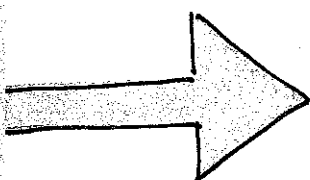


First Quarter Moon

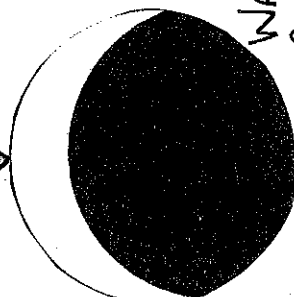
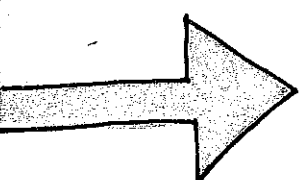
Sunlight



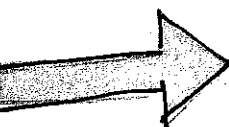
Waning
Crescent



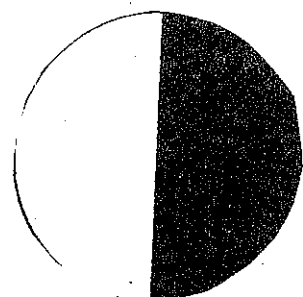
New
Moon



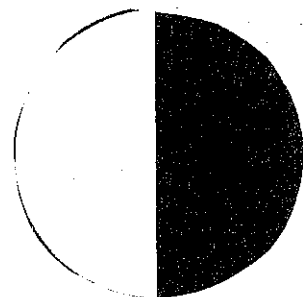
Waxing
Crescent



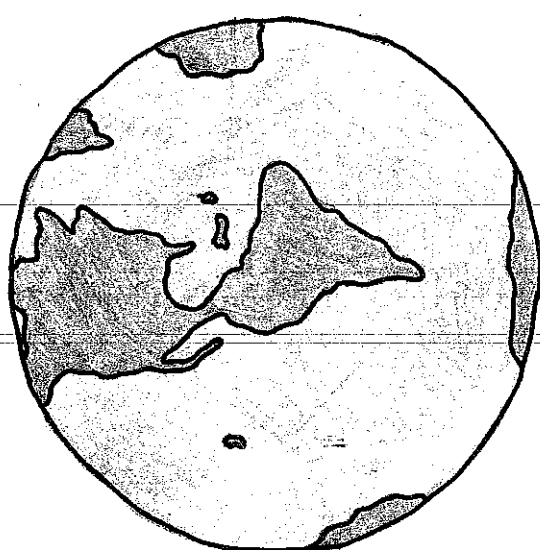
Sunlight



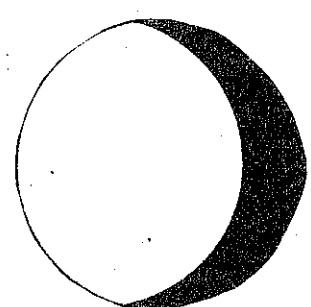
Third
Quarter
Moon



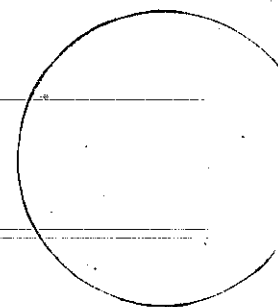
First
Quarter
Moon



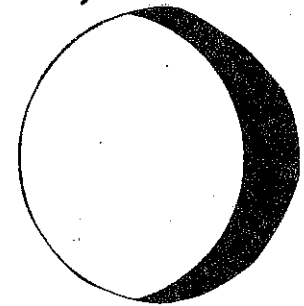
Earth



Waning
Gibbous

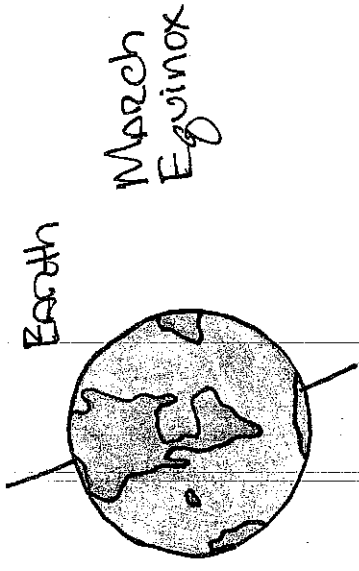


Full
Moon



Waxing
Gibbous

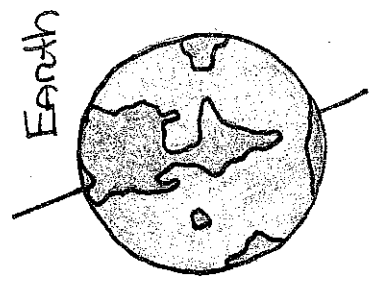
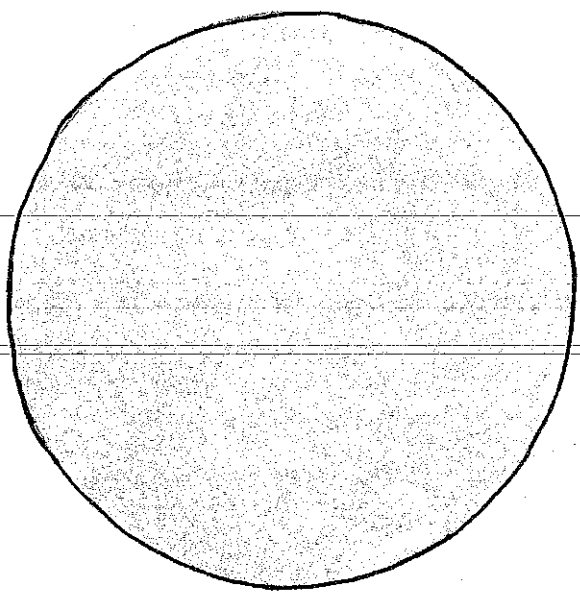
21



March
Equinox

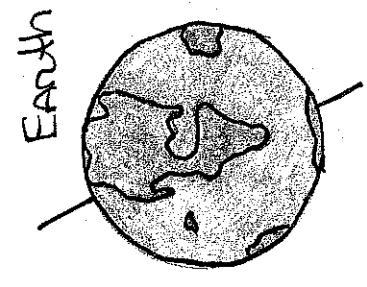
Spring

Sun



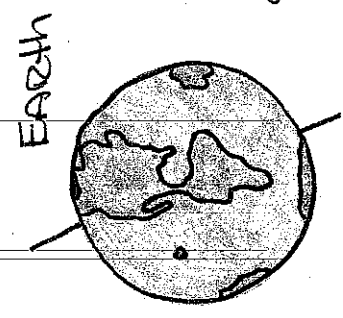
JUNE
Solstice

SUMMER



December
Solstice

Winter



September

FALL

<p>Earth rotating on its axis...</p> <p>Orbital Path</p> <p>Revolve</p> <p>The slant of earth's axis</p>	<p>Tilt</p> <p>Seasons</p> <p>Imaginary line that extends through Earth from the North Pole to South Pole</p> <p>To spin on an axis</p> <p>Hemisphere</p> <p>Direct</p>	<p>Earth revolving around the Sun...</p> <p>Axis</p> <p>Tilt</p> <p>Seasons</p> <p>Earth revolving around the Sun...</p> <p>Indirect</p>
<p>Earth rotating on its axis...</p> <p>Hemisphere</p> <p>To move in an elliptical path or orbit around a center</p> <p>Indirect</p> <p>Four divisions of the year caused by Earth's tilt and orbit around the Sun</p>	<p>Taking a roundabout path from one point to another</p> <p>Orbital Path</p> <p>Rotate</p> <p>Causes day and night and takes 24 hours</p>	<p>Seasons</p> <p>Tilt</p> <p>The curved path of orbit around a center object, caused by gravity</p> <p>Hemisphere</p>
<p>Causes the seasons and takes one year</p> <p>Earth rotating on its axis...</p> <p>Axis</p> <p>Earth's tilt is measured...</p> <p>At 23.5 degrees on its axis</p> <p>Indirect</p> <p>Rotate</p> <p>The shortest possible way from one point to another</p>	<p>Direct</p> <p>To spin on an axis</p> <p>Half of a sphere—Earth has four</p> <p>Earth revolving around the Sun...</p>	<p>Earth revolving around the Sun...</p> <p>Direct</p> <p>To spin on an axis</p>

Name: _____ Date: _____

Phases of the Moon Matching

Directions: Using the Phases of the Moon chartlet, match the letter of the phase of the Moon with the correct picture.

A. First Quarter

B. Full Moon

C. Waxing Gibbous

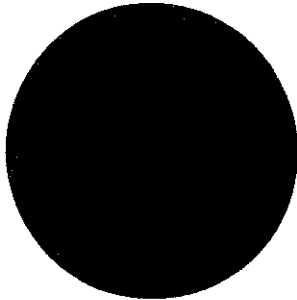
D. Waning Crescent

E. Third Quarter

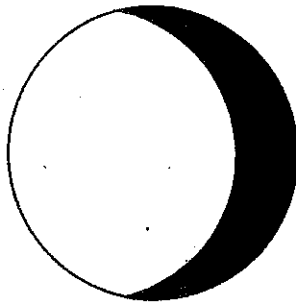
F. New Moon

G. Waning Gibbous

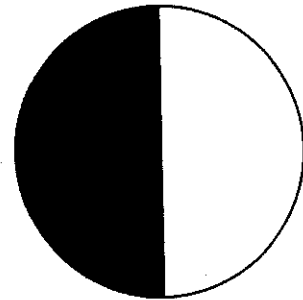
H. Waxing Crescent



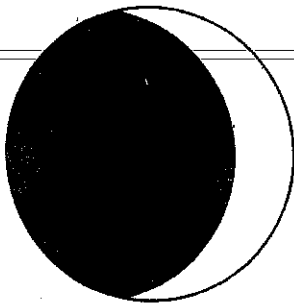
1. _____



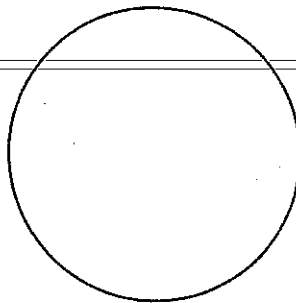
2. _____



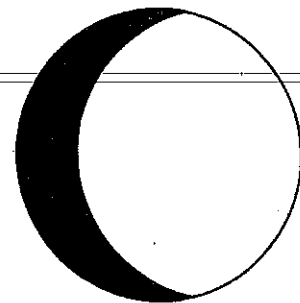
3. _____



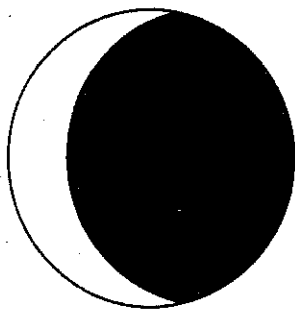
4. _____



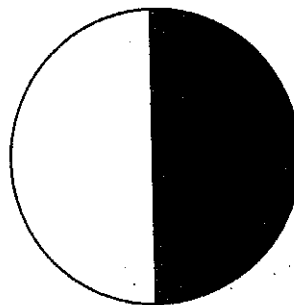
5. _____



6. _____



7. _____



8. _____

Solar System

Write the letter of the correct definition next to each vocabulary word or words.

- | | | |
|-----|---------------|---|
| 1. | Seasons | a. Dark, flat areas on the moon's surface. |
| 2. | Rotation | b. The spinning of Earth on its axis |
| 3. | Revolution | c. The different shapes of the moon you see from Earth. |
| | | d. The sun reaches its greatest distance north or south of the equator twice a year. |
| 4. | Equinox | |
| 5. | Solstice | e. When neither hemisphere is tilted toward the sun. |
| | | f. The rise and fall of ocean water that occurs about every 12.5 hours . |
| 6. | 27.3 days | |
| 7. | Phases | g. Caused by Earth's tilt as it revolves around the sun. |
| | Solar eclipse | h. An Italian scientist who was first to use a telescope to study the moons surface. |
| 8. | Lunar Eclipse | i. Large round pits on the moon's surface |
| 9. | | |
| 10. | Tides | j. The length of the moon's "day" and "year". |
| | Galileo | k. Occurs at a full moon when the Earth is directly between the moon and the sun. |
| 11. | Galilei | |
| 12. | craters | l. The movement of one object around another |
| | | m. Occurs when the moon passes directly between Earth and the sun, blocking sunlight from the Earth |
| 13. | Maria | |

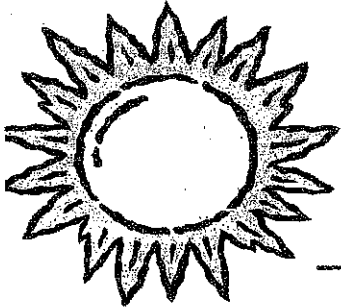
Name _____ Date _____

Types of Tides

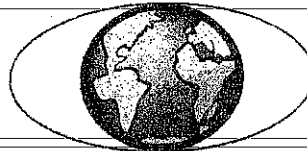
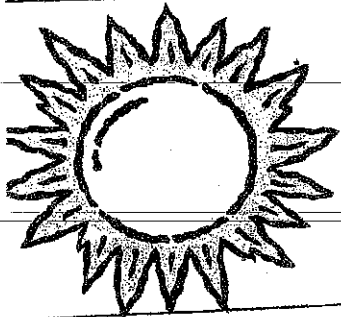
Pictures are not to scale.

Name the moon phase for each one.

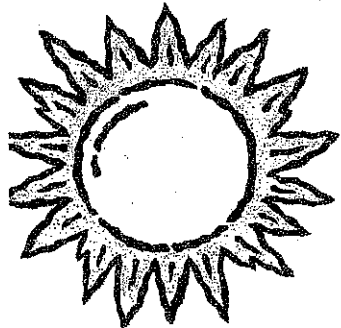
Using a blue crayon, fill in the tides for each one.



Spring or Neap Tide?



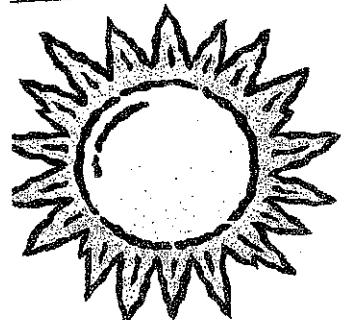
Spring or Neap Tide?



Shade in.



Spring or Neap Tide?



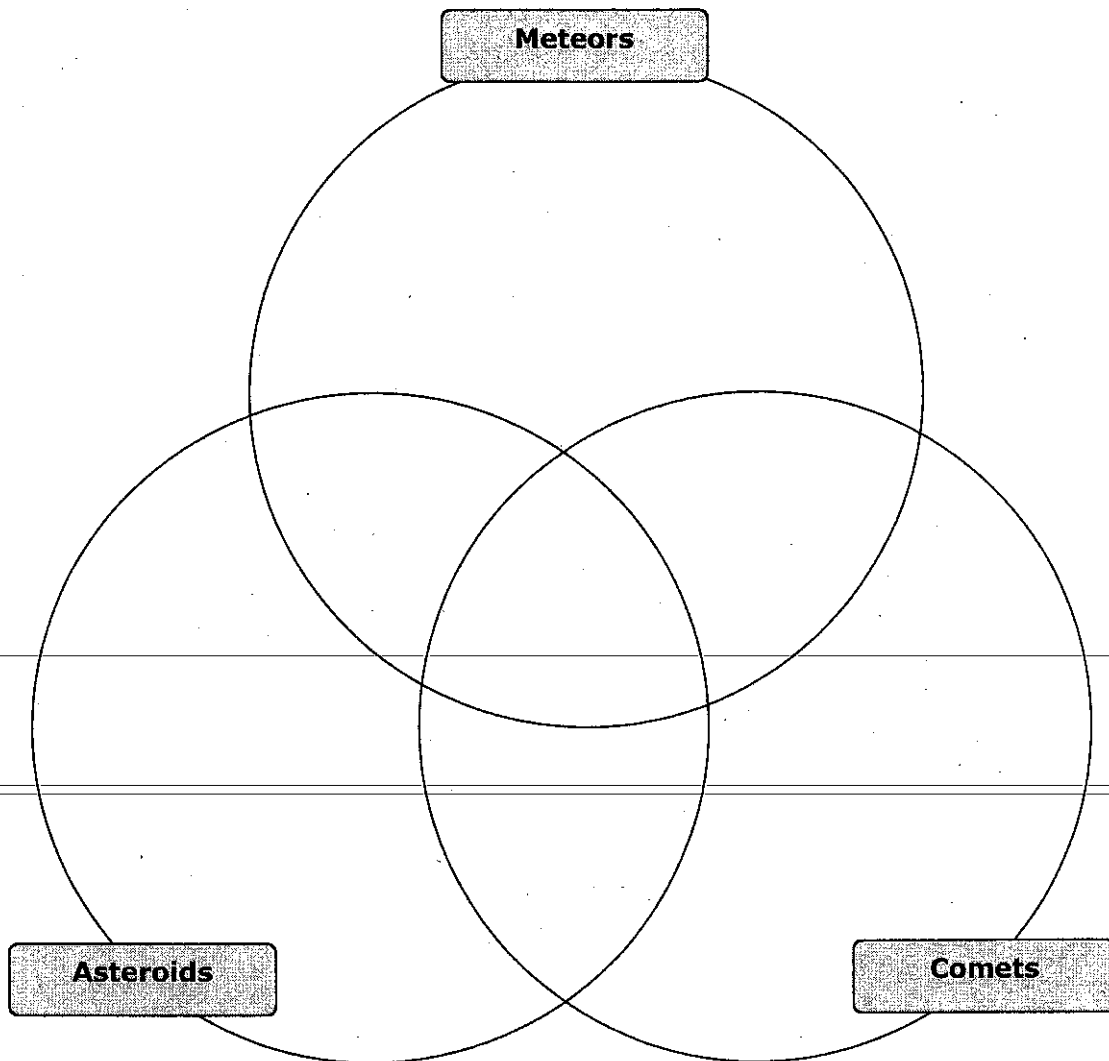
Spring or Neap Tide?



Shade in.

The difference between comets, meteors and asteroids
Question 1:

Add the characteristics listed below to the appropriate location on the Venn diagram.


Characteristics

- | | | |
|--|---|---|
| 1. Progress across the sky very slowly | 7. Most found in the asteroid belt | 13. Streak across the sky very fast |
| 2. Remnants of the formation of the solar system | 8. Most are less than a km in diameter | 14. Most are fragments of large asteroids |
| 3. Reflect sunlight | 9. Most have slightly elliptical orbits | 15. Icy objects |
| 4. Rocky composition | 10. Most are less than 100 m in diameter | 16. Meteor showers are caused by the Earth passing through the debris path of a comet |
| 5. Orbit the Sun in highly elliptical orbits | 11. Also known as shooting stars | 17. Tail always points away from the Sun |
| 6. Measure a few kms in diameter | 12. Most burn up as they enter Earth's atmosphere | |