



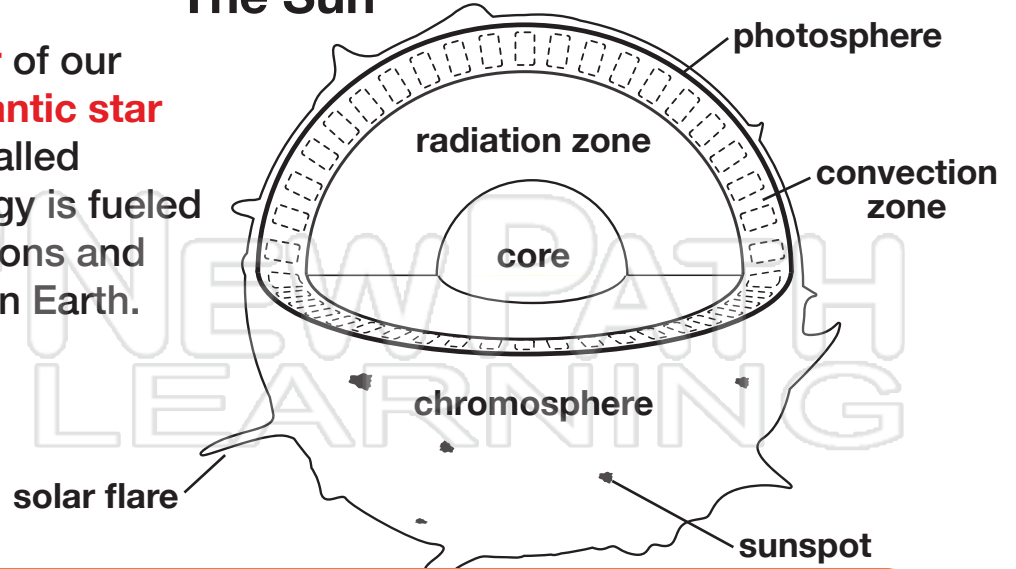
The Sun-Earth-Moon System

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Name _____ Class _____ Date _____

The Sun

The **Sun** is at the **center** of our solar system. It is a **gigantic star** made up of hot gases called **plasma**. The Sun's energy is fueled by **nuclear fusion** reactions and makes all life possible on Earth.



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rotati

Summer

Fall



Name _____ Class _____ Date _____

Earth's Moon

The **moon** revolves around Earth and also rotates on its own axis. It makes one complete **revolution** around the Earth every **27.3 days**.

The moon is in **synchronous rotation**. This means that the same side of the moon faces the Earth at all times.



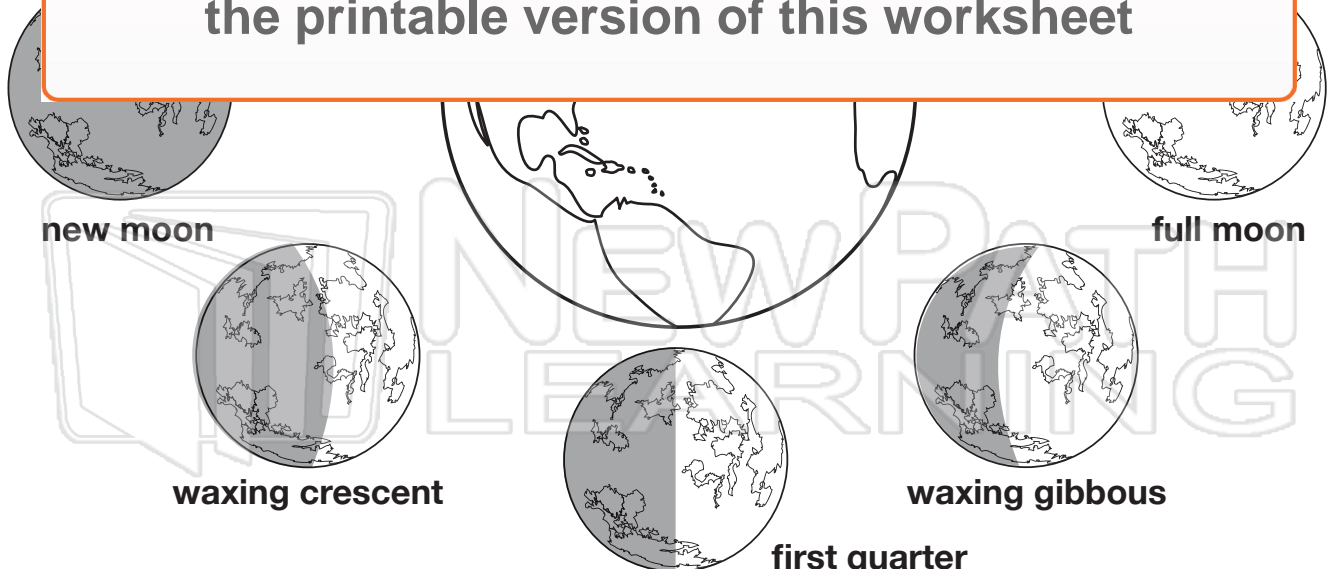
Phases of the Moon

The **revolution** of the moon around Earth makes it appear to look different through portions of the moon.



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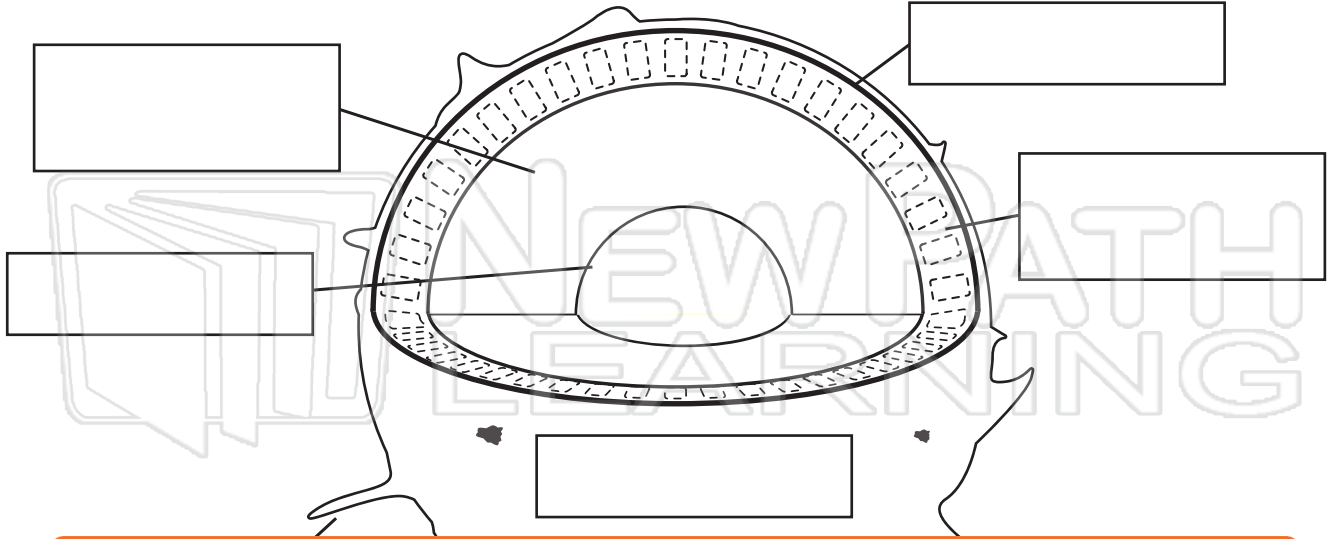


The Sun-Earth-Moon System

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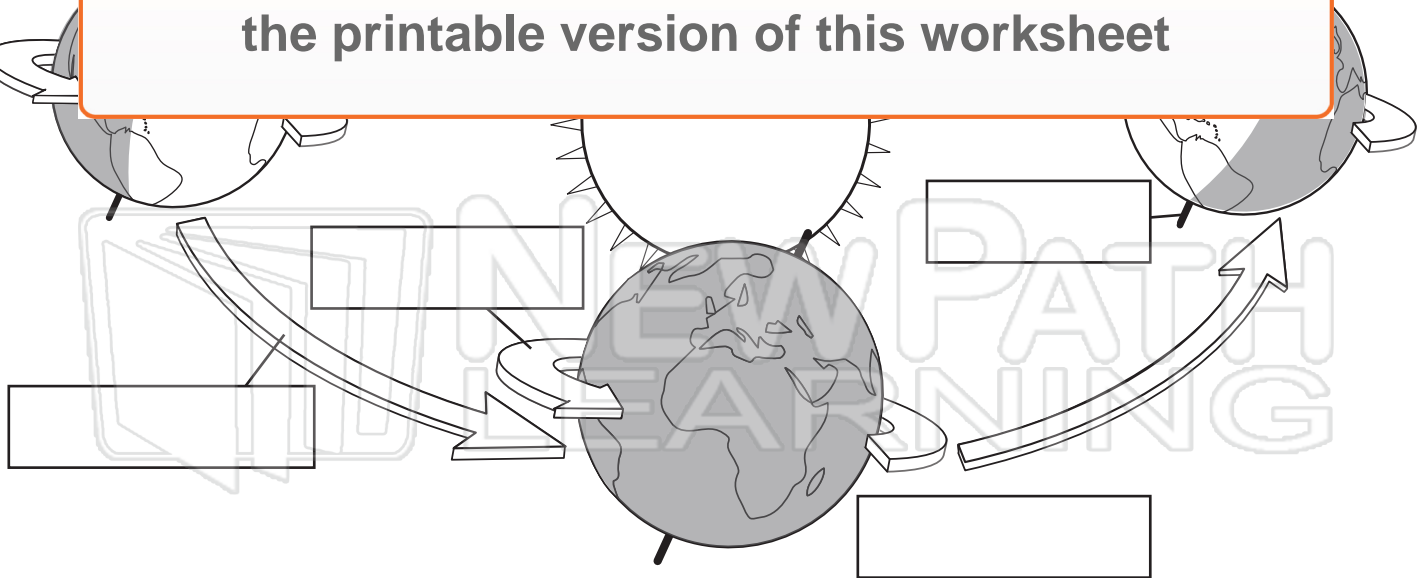
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Label the Sun.



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The Sun-Earth-Moon System

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Name _____ Class _____ Date _____

Answer the questions.

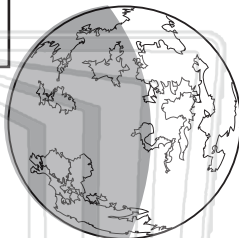
What is the different between **rotation** and **revolution**?

The moon is in **synchronous rotation**. What does that mean?



PREVIEW

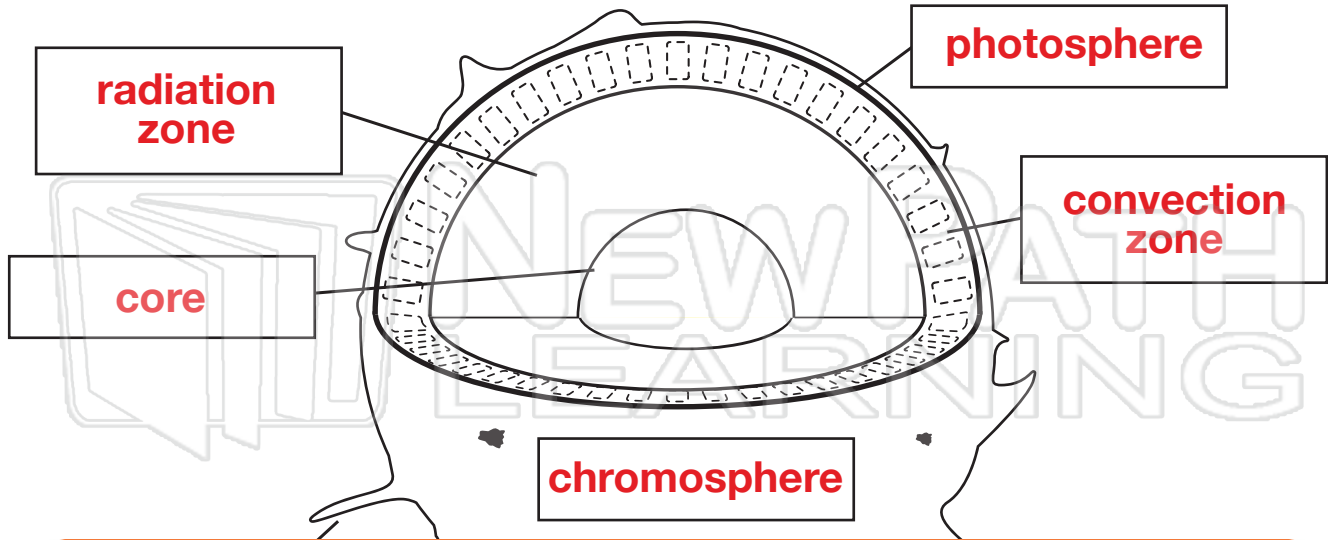
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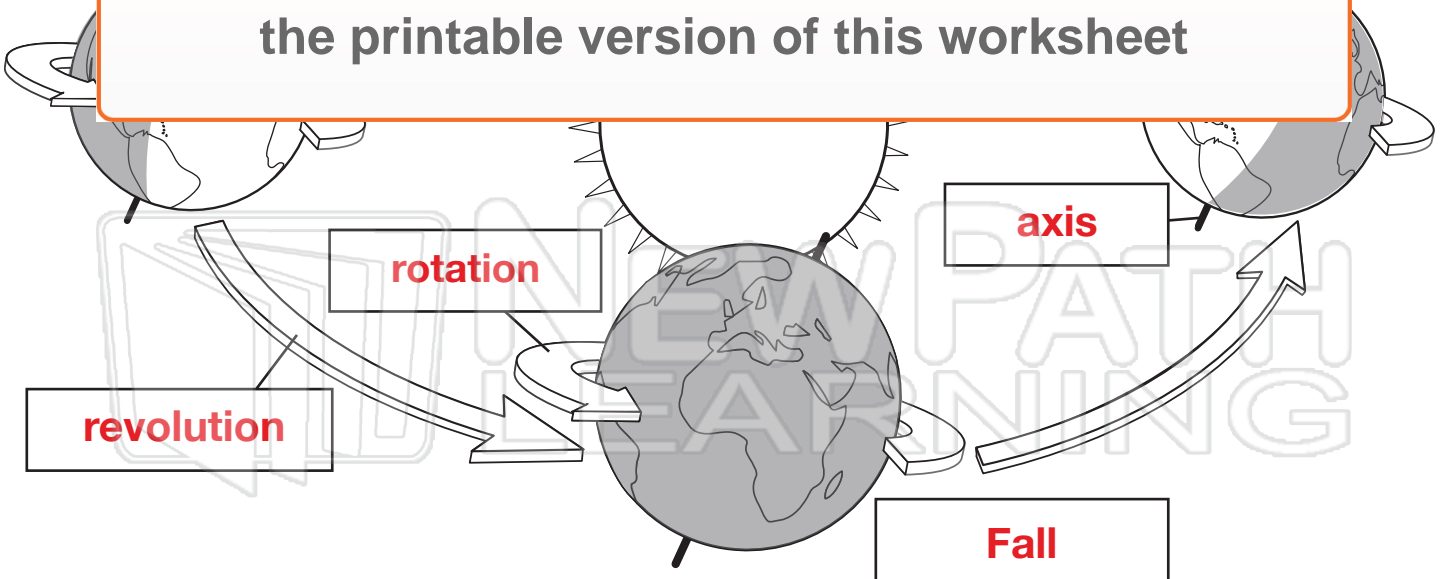
Answer Key

Label the Sun.



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Answer Key

Answer the questions.

What is the different between **rotation** and **revolution**?

Rotation means to spin on a central axis. Revolution is how long it takes for one object to move around another. For instance, it takes 27.3 days for the moon to revolve around the Earth.

The moon is in **synchronous rotation**. What does that mean?

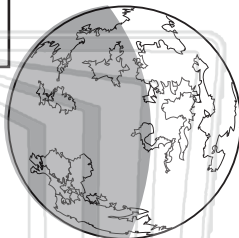
It means the same side of the moon faces the earth at all times. They both rotate at the same time.



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new moon



waxing crescent



first quarter



waxing gibbous

full moon