


Middle School Physical Science

The Moon **Grade 6-7**

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- Minds-on Inquiry
 - Moon Stats
 - What if we had no Moon?
 - Orbit of the Moon
 - Rotation of the Moon
 - The Dark Side of the Moon
 - The Phases of the Moon
 - The Tides
 - The Moon Illusion

TeachWithFergy

Preview File

Please enjoy this preview of your Student Version of the lesson. I've created this PDF for ease of viewing and to decrease the file size but of course, your lesson will be in PowerPoint format.

- Some slides appear blank because they have been removed.

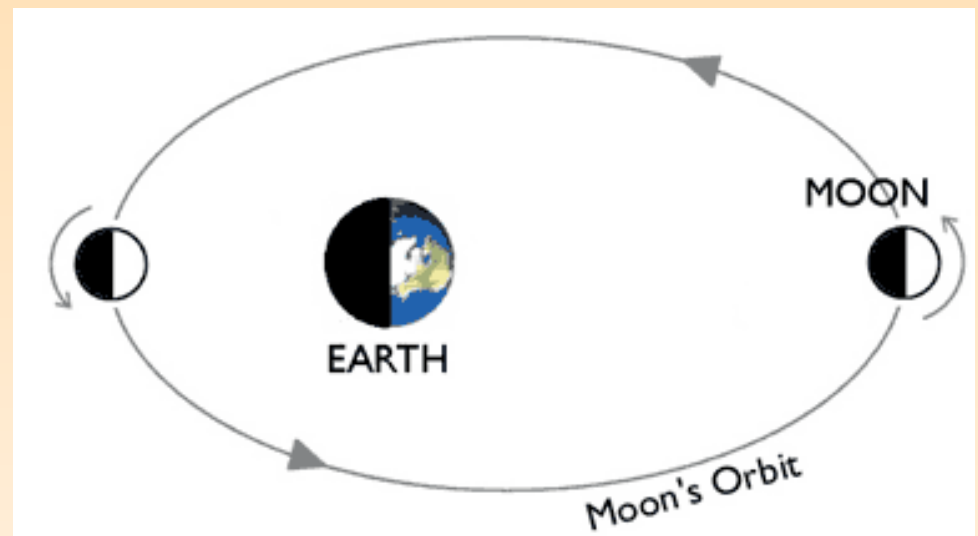
- Student versions have portions of the text removed which is given in the teacher version and appear as

- Other slides may have on them, this represents writing that has been removed.

Moon Stats

- _____
- Diameter of the Moon is 3475.9 km = 27% diameter of the Earth (12756 km)
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- Volume (how much room it takes up) = 2.04% of the Earth.

Orbit of the Moon



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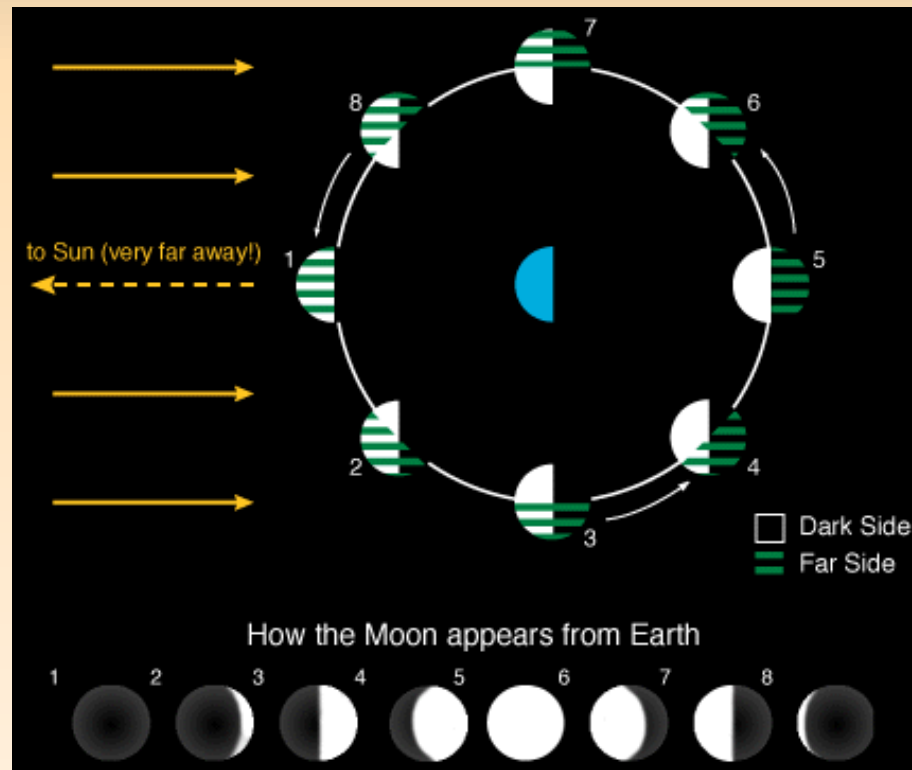
Misconception: Dark Side of the Moon

- _____
- The far side gets just as much light as the near side



The Faces of the Moon

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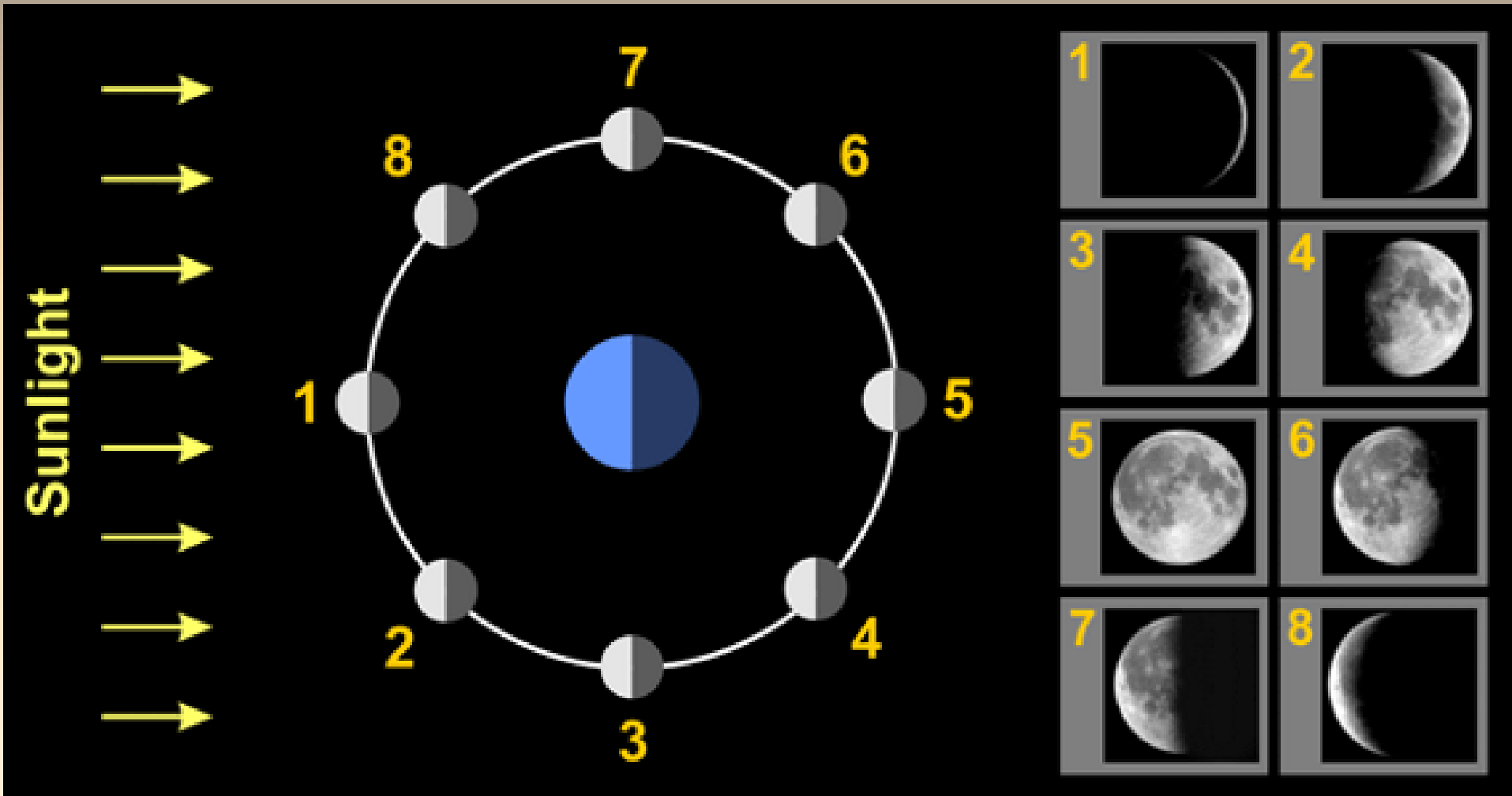


What causes the phases of the Moon

- A common misconception is that the phases of the Moon are caused by the shadow of the Earth. They are not.
- The phases of the Moon _____

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The Phases of the Moon



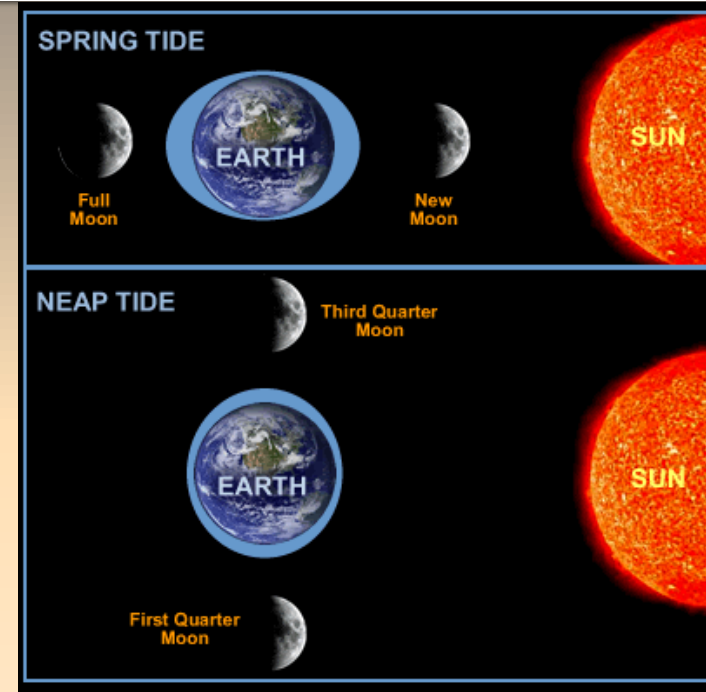
How the Moon Affects the Tides

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- There are 2 things that affect the tides - the Sun and the Moon
- _____



How the Moon Affects the Tides

- When the Moon, Sun and Earth are in line (full and new Moons), the gravitational pull is added



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The Moon Illusion

- Many people believe the rising moon is larger than when the Moon is high overhead
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