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| TABLE V.4  Developing an Explanatory Model for the Phases of the Moon | | | |
| Sketch of set up | Evidence | Powerful Idea | Relevant Vocabulary |
|  |  | The Sun is the source of light from the Moon on the Earth |  |
| <https://starchild.gsfc.nasa.gov/docs/StarChild/questions/phases.html>  <https://www.timeanddate.com/moon/phases/> |  | The phases of the Moon are caused by the Moon revolving counterclockwise around the Earth about once a month as seen from our location. |  |
|  |  | The side of the Moon facing the Sun is always fully lit. |  |
|  |  | The shaded side of a phase of the Moon is the shadow of the Moon on itself. It is not the shadow of the Earth. |  |

Explaining the Phases of the Moon

Sketch the use of a ball on a stick to model here on Earth what the Moon looks like in the sky.

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| TABLE V.4 (continued)  Developing an Explanatory Model for the Phases of the Moon | | | |
| Sketch of set up | Evidence | Powerful Idea | Relevant Vocabulary |
|  |  | The Sun is far away from the Earth and the Moon is close. |  |
|  |  | The Sun is very large and the Moon is small**.** |  |
|  |  | What we see depends upon our perspective. |  |

Sketch three possible configurations for the Sun, Earth, and Moon