Name:

Yiru Zhang, Matthew Tang.

Date:

11/4/22

#### Student Exploration: Phases of the Moon

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

**Vocabulary:** axis, crescent, First Quarter, Full Moon, gibbous, illuminate, Moon phase, New Moon, orbit, revolve, rotate, Third Quarter, waning, waxing

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

 A Moon phase is what the Moon looks like from Earth at a particular time. In the space below, draw a few pictures of different Moon phases, based on what you have seen before.

Either hand draw in the space below or edit to use the drawing tool to draw a few pictures of different Moon phases, based on what you have seen before.





About how often does a Full Moon happen?

Roughly every month or 29.5 days.

#### Gizmo Warm-up

 In the Phases of the Moon Gizmo, click Play ( ). What do you notice about the motion of the Moon?

The moon rotates around Earth.

The path that the Moon takes is called its **orbit**. The Moon is revolving around Earth.

2. What do you notice about the motion of Earth?

The Earth rotates clockwise.



# **Names Of Moon Phases Gizmo Answer Key**

**Tobias Bleicker** 

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