

# The Moon, Earth, and Sun

## Practice Your Understanding

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. When using the Moon, Earth, and Sun Simulation, what laws of physics that we have already seen before, are related here? Record your answer below:

2. Using the law you wrote down in Problem 1, what do you notice specifically about our planet that is different from the general law you wrote down above? Record your answer below:

3. How does the Earth's distance from the Sun play a role in the Earth's acceleration? How does the Moon's distance from Earth play a role in the Moon's acceleration. Using the Moon, Earth, and Sun Simulation, figure out the acceleration of the Moon relative to the Earth. Show all work and record your answer below: