The Solar System – Open Response Question 5

Tides occur when the gravitational pull of other celestial bodies change the shape of Earth’s oceans.

a) In the illustration above, label the locations of the high and low tides?

b) Out of the two celestial bodies, does the gravitational pull of the Moon or the Sun have a greater effect on the tides? Explain your reasoning.

c) How are the tides impacted when the Earth, Moon, and Sun are in a line? Explain your reasoning.