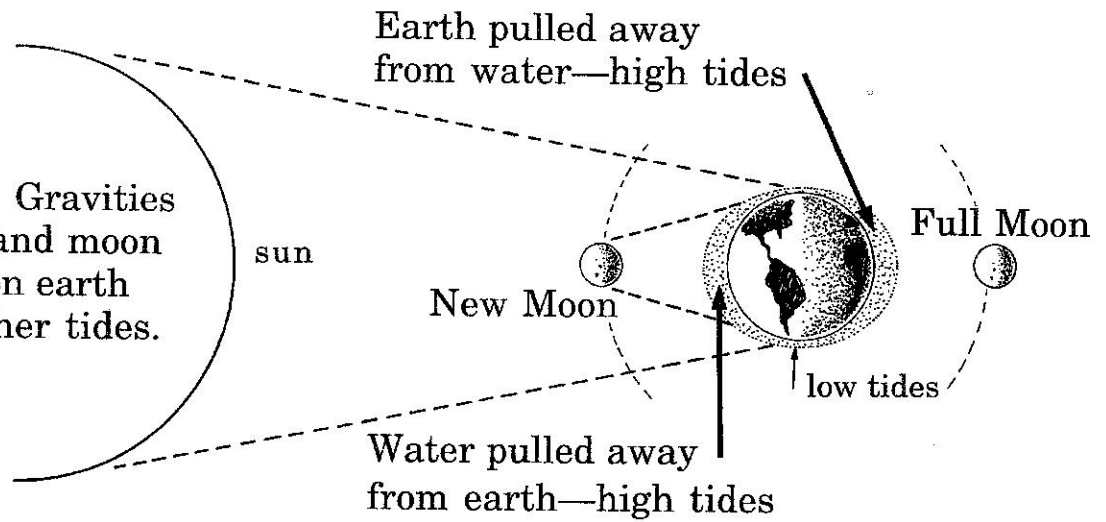
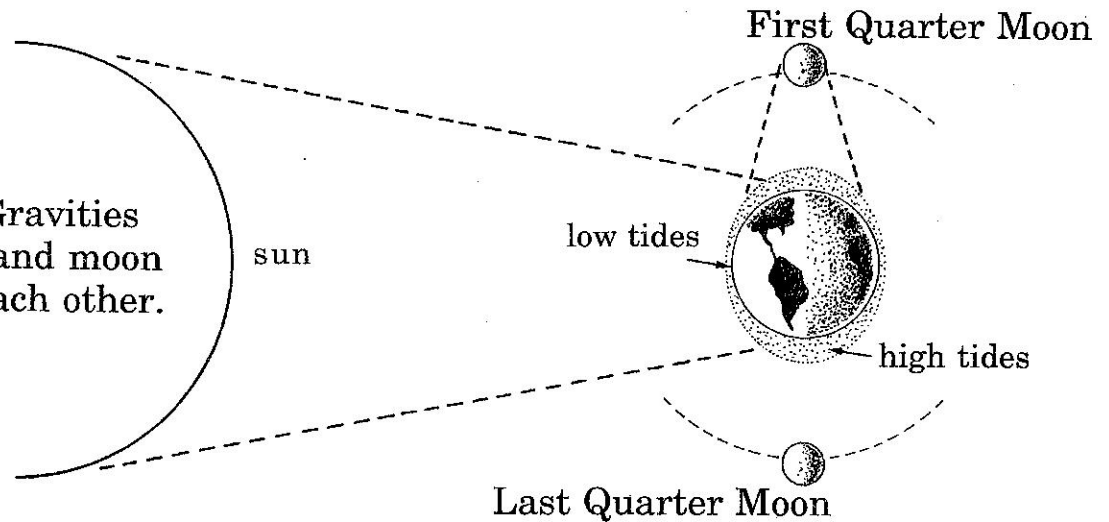


Tides

spring tides: Gravities from the sun and moon pull together on earth producing higher tides.



neap tides: Gravities from the sun and moon pull against each other.



Rotation of the earth causes two low and two high tides each day. Tomorrow's tides are about fifty minutes later than today's tides.

1. During what phases of the moon are the tides the highest? Why? _____

2. During what phases of the moon are the tides the lowest? Why? _____

3. Why are there two high tides and two low tides each day? _____
4. The lowest high tides are called _____ tides.
5. If the first high tide of today is at 2:00 p.m., what will be the approximate time of tomorrow's first high tide? _____

WHERE WE ARE NOW . . . (use p. 760 for help)

We live in the town of _____, which is a part of the _____
_____ continent, located in the _____ hemisphere of earth.

It is located along the 38 degree Northern line of latitude, which is closest to the Tropic of
_____. Since the Earth's orbit is shaped like an _____, there are
times when we are closer to the sun than others. We are currently approaching the
_____ Equinox, which is the period of the year that has _____
amounts of _____ and _____.

Do the "mini lab" on page 761 right here:

