

Tides!



Low tide was the best time to visit the beach. Grandma and the children loved exploring along the high tide line for things that had been washed up like shells, sponges and dead crabs. The wet sand was easier to walk on than the dry sand above the high tide line. AND, Vicki could do handstands and cartwheels on the hard packed sand. She did a record 17 cartwheels in a row one day!



Tides are caused by the pull of gravity from the moon and the sun. How much the tide rises and falls depends on how steeply the ground (sea bottom) slopes, and the time of the month. Twice a month (around full and new moons) there are very high tides. They are called spring tides because they "jump" or "spring" up. Then twice a month are very

low tides called neap tides. In most places there are two high tides and two low tides a day, but in some places only one. It's all affected by the rotation of the earth and the position of the sun and moon. It's all very confusing unless you understand physics and planets!

Put the following numbers into their proper order. Cross them out as you use them.

18 33 36 45 24 20 60 50 15

30

35 55 30 12 27 40 25 9 21

15

3 6 _ _ _ _ _ _ _ _

5 10 _ _ _ _ _ _ _ _

Listen to God!

Job 38:8-11

God controls the tides and how far they rise and fall every day. It all happens in perfect order.

Talk to God! Father God, you are a God of order, not chaos. People seem to often bring disorder into the world. It's good to know that you have everything in your control and you will bring order and peace.

