

Chapter 10 – Activity 3 - Question 1

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Moon phases January

	1	2	3	4	5	6
7						13
					New moon	
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Waning means that the moon is going **from full to new**.

Waxing means the moon is going **from new to full**.

January

Time Zone – 1200 Times and heights of high and low waters

Date	Time	m	Date	Time	m	Date	Time	m	Date	Time	m
1 Tu	0543 1207 1805	0-7 4-0 0-7	9 We	0037 0709 1319 1932	1-0 3-7 1-0 3-7	17 Th	0120 0716 1331 1935	3-9 0-7 4-0 0-9	25 Fr	0226 0656 1446 2055	1-2 3-6 1-0 3-5
2 We	0027 0618 1243 1845	3-8 0-7 4-0 0-7	10 Th	0147 0814 1418 2035	0-8 3-9 0-7 3-9	18 Fr	0201 0758 1416 2018	3-7 1-0 3-7 1-1	26 Sa	0308 0933 1524 2138	1-0 3-8 0-8 3-7
3 Th	0105 0655 1321 1927	3-8 0-8 3-8 0-8	11 Fr	0248 0909 1510 2131	0-6 4-2 0-5 4-0	19 Sa	0245 0846 1504 2106	3-5 1-2 3-5 1-3	27 Su	0345 1007 1600 2217	0-9 4-0 0-7 3-8
4 Fr	0146 0737 1406 2015	3-7 0-9 3-7 0-9	12 Sa	0342 0958 1559 2223	0-4 4-4 0-4 4-2	20 Su	0336 0948 1559 2202	3-3 1-4 3-3 1-4	28 Mo	0418 1040 1634 2254	0-7 4-1 0-6 4-0
5 Sa	0232 0827 1459 2109	3-6 1-1 3-6 1-0	13 Su	0430 1043 1645 2311	0-3 4-5 0-3 4-2	21 Mo	0440 1104 1701 2310	3-1 1-5 3-2 1-5	29 Tu	0451 1113 1709 2331	0-6 4-2 0-5 4-0
6 Su	0326 0929 1603 2212	3-5 1-2 3-5 1-1	14 Mo	0514 1126 1729 2356	0-3 4-5 0-4 4-2	22 Tu	0600 1217 1806	3-1 1-5 3-2	30 We	0523 1147 1745	0-5 4-2 0-5
7 Mo	0433 1048 1713 2323	3-4 1-3 3-5 1-1	15 Tu	0555 1208 1812	0-3 4-4 0-5	23 We	0026 0716 1317 1909	1-5 3-2 1-4 3-2	31 Th	0007 0657 1222 1823	4-1 0-5 4-1 0-5
8 Tu	0552 1209 1824	3-5 1-2 3-5	16 We	0039 0636 1249 1853	4-1 0-5 4-2 0-7	24 Th	0133 0812 1405 2006	1-4 3-4 1-2 3-4			

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3 Th	0105 0655 1321 1927	3-8 0-8 3-8 0-8	11 Fr	0248 0909 1510 2131	0-6 4-2 0-5 4-0	19 Sa	0245 0846 1504 2106	3-5 1-2 3-5 1-3	27 Su	0345 1007 1600 2217	0-9 4-0 0-7 3-8
4 Fr	0146 0737 1406 2015	3-7 0-9 3-7 0-9	12 Sa	0342 0958 1559 2223	0-4 4-4 0-4 4-2	20 Su	0336 0948 1559 2202	3-3 1-4 3-3 1-4	28 Mo	0418 1040 1634 2254	0-7 4-1 0-6 4-0
5 Sa	0232 0827 1459 2109	3-6 1-1 3-6 1-0	13 Su	0430 1043 1645 2311	0-3 4-5 0-3 4-2	21 Mo	0440 1104 1701 2310	3-1 1-5 3-2 1-5	29 Tu	0451 1113 1709 2331	0-6 4-2 0-5 4-0
6 Su	0326 0929 1603 2212	3-5 1-2 3-5 1-1	14 Mo	0514 1126 1729 2356	0-3 4-5 0-4 4-2	22 Tu	0600 1217 1806	3-1 1-5 3-2	30 We	0523 1147 1745	0-5 4-2 0-5
7 Mo	0433 1048 1713 2323	3-4 1-3 3-5 1-1	15 Tu	0555 1208 1812	0-3 4-4 0-5	23 We	0026 0716 1317 1909	1-5 3-2 1-4 3-2	31 Th	0007 0657 1222 1823	4-1 0-5 4-1 0-5
8 Tu	0552 1209 1824	3-5 1-2 3-5	16 We	0039 0636 1249 1853	4-1 0-5 4-2 0-7	24 Th	0133 0812 1405 2006	1-4 3-4 1-2 3-4			