**TIDES**

**ANSWER KEY**

**ebb current** - *water flows out of a bay or river as low tide approaches*

**diurnal tidal pattern** - *one high and one low tide each day*

**high tide** - *a maximum tidal height*

**MLLW** - *Mean Lower Low Water, average height of the lowest tide recorded at a station, used comonly as a tidal chart datum (i.e., the “zero” tide level)*

**semidiurnal tidal pattern** - *two high and two low tides of about the same height each day*

**flood current** - *water flows into a bay or river as high tide approaches*

**low tide** - *a minimum tidal height*

**mixed tidal pattern** - *two high and two low tides of unequal heights each day*

**tide chart** - *a table that gives the height of the tide above the MLLW*

1. two; no; two; no; mixed; about 6 feet
2. two; yes (approx.); two; yes (approx.); semidiurnal; flood current
3. one; n/a; one; n/a; diurnal; waxing gibbous; waning gibbous
4. around May 25 at 4 am; around May 4-6; May 24
5. full and new; around April 10; around April 27; around April 17-20 because the tidal range is smallest of entire month
6. the highest midnight tide is around September 6 and 7; another opportunity would be around September 20-22
7. answers will vary but should indicate a day and time when the tide is ebbing or at its lowest; mixed; the tide time at that moment; answers will vary