The map below shows some features along an ocean shoreline.

In which general direction is the sand being moved along this shoreline by ocean (long-shore) currents?

(1) northeast  (3) northwest
(2) southeast   (4) southwest
Which inference about tides is best made from this graph?

1. The hourly rate of tidal change is always the same.
2. The rate of tidal change is greatest at high tide.
3. The tidal change is a random event.
4. The tidal change is cyclic.

According to the pattern shown on the graph, the next high tide will occur on the following day at approximately

1. 12:30 a.m.
2. 2:00 a.m.
3. 3:15 a.m.
4. 4:00 a.m.
The map below shows the Atlantic Ocean divided into zones A, B, C, and D. The Mid-Atlantic Ridge is located between zones B and C.
Which map best represents the global prevailing surface wind patterns responsible for generating Atlantic Ocean currents?

Key

- Direction of global winds
- Direction of ocean currents

(1)

(2)

(3)

(4)