



Name _____ Class _____ Date _____

1 The regular daily movements of the level of the **ocean's surface** caused by the **gravitational pull** of the moon and sun are called _____.

- A whitecaps
- B tsunamis
- C tides
- D troughs



3 The **difference** between the level of ocean water at **high tide** compared to the level at **low tide** is called _____.

- A tidal surge
- B tidal range
- C spring tide
- D neap tide



4 **Spring tides** occur _____.

- A when the moon, earth, and sun are all in line with each other
- B when the moon and sun are at a 90° angle with each other
- C only in the spring



5



PREVIEW

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D every 28 days

10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- A 8 meters
- B 72 meters
- C 1/8 meter
- D 24 meters



9 The **salinity** of ocean water, and therefore its density, is **increased** by _____.

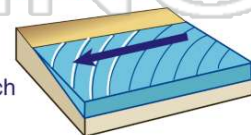
- A increasing wind
- B the gravitational pull of the moon
- C the seasons
- D evaporation and freezing of ocean water



10 **Longshore currents** are created by waves that hit a shore line at an **angle**.

In which **direction** are sand, shells, and other sediments are moved by longshore currents?

- A out to the deeper ocean
- B parallel to the beach
- C further up onto the beach
- D differently depending on the seasons

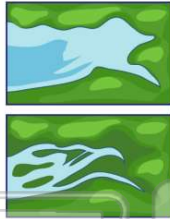




ANSWER KEY

The regular daily movements of the level of the **ocean's surface** caused by the **gravitational pull** of the moon and sun are called _____.

- A whitecaps
- B tsunamis
- C tides
- D troughs

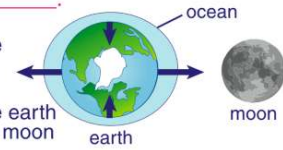


(C)

Tides are due mostly to the **gravitational pull** of the **moon** on the earth, and in a lesser way, due to the gravitational pull of the sun on the earth.

High tides occur _____.

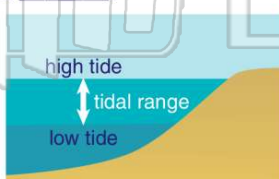
- A on the part of the earth closest to the moon
- B on the part of the earth furthest from the moon
- C at the poles
- D at sunrise and sunset



(a)

The **difference** between the level of ocean water at **high tide** compared to the level at **low tide** is called _____.

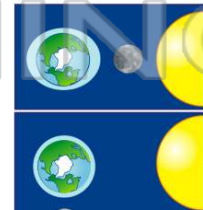
- A tidal surge
- B tidal range
- C spring tide
- D neap tide



(b)

Spring tides occur _____.

- A when the moon, earth, and sun are all in line with each other
- B when the moon and sun are at a 90° angle with each other
- C only in the spring
- D only once a year



(a)



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17 18 19 20 21 22 23
24 25 26 27 28 29 30

- B 72 meters
- C 1/8 meter
- D 24 meters



The **salinity** of ocean water, and therefore its density, is **increased** by _____.

- A increasing wind
- B the gravitational pull of the moon
- C the seasons
- D evaporation and freezing of ocean water

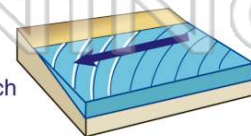


(d)

Longshore currents are created by waves that hit a shore line at an **angle**.

In which direction are sand, shells, and other sediments are moved by longshore currents?

- A out to the deeper ocean
- B parallel to the beach
- C further up onto the beach
- D differently depending on the seasons



(b)