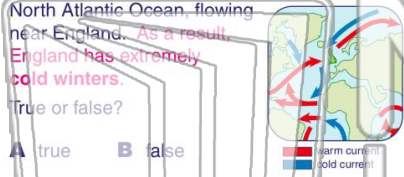




Name _____ Class _____ Date _____

1 Surface currents that begin near the equator, such as the **Gulf Stream current**, are **warmer** than those that begin near the poles. Gulf Stream waters move from the **equator** toward the North Atlantic Ocean, flowing near England. **As a result, England has extremely cold winters.**

True or false?
A true B false



2 Southern California can be very hot in the summer months. The **cold-water current** from the North, however, travels southward along the California coast affecting its climate. Due to the cold-water current, compared to **inland**, the climate of California's coast is _____.

A relatively cool
B unusually hot and humid
C hotter than inland
D either very cold or very hot



3 Due to the build-up of warm water in the western Pacific Ocean, there is an upwelling of cold water in the eastern Pacific. These **dramatic changes** in surface water temperatures can cause widespread _____.

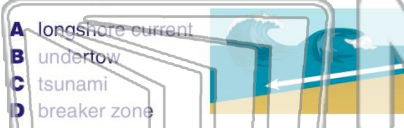
4 The **distance** between the highest points of two consecutive waves is called the _____.

A waveheight wave wavelength

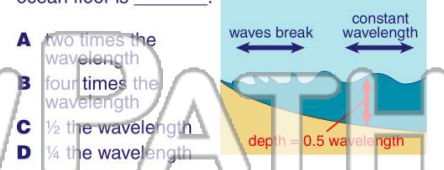
PREVIEW

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7 oncoming wave or waves. This flow can be dramatic and can pull shells, sediment, and people **out to deep water** very quickly. **This strong current is called the _____.**



water waves become shallow water waves when the **depth** from the wave crest to the ocean floor is _____.



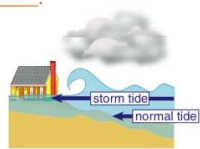
9 When an **earthquake** is centered under the ocean, the **P-wave energy** from the earthquake travels **through the water**. This enormous energy creates waves of tremendous size. These waves are extremely destructive when they hit land. **A wave created by an underwater earthquake is called a _____.**

A storm surge
B swell
C white cap
D tsunami



10 A large storm, such as a hurricane, creates a change in the ocean called a storm surge. **A storm surge causes _____.**

A earthquakes to occur underwater
B a fast-moving, destructive rise of sea level near the shore
C a long-lasting high tide
D destructive waves with wave heights over 20 meters

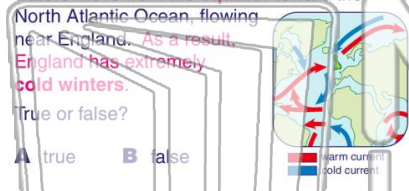




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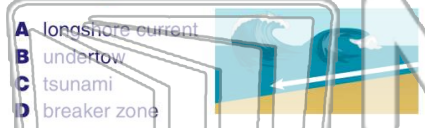
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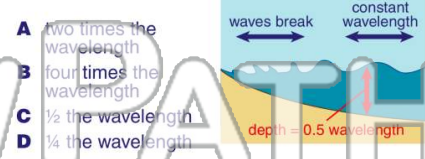
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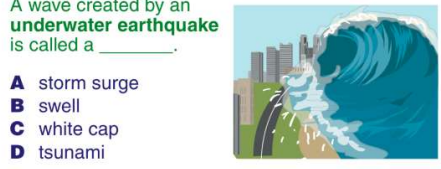
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